



Marata Vidya Prasarak Samaj's

**Karmveer Abasaheb Alias N. M. Sonawane**

**Arts, Commerce and Science College**

Morenagar, Baglan (Satana), Nashik – 422301, (MS) India

**(Affiliated to Savitribai Phule Pune University)**

Re-Accredited by NAAC- 'A' Grade (CGPA-3.19)

## **Criterion-II:**

### **Teaching- Learning and Evaluation**

#### **2.6: Student Performance and Learning Outcome**

**2.6.2: Attainment of POs and COs are evaluated.**



MARATHA VIDYA PRASARAK SAMAJ'S  
Karmveer Abasaheb Alias N. M. Sonawane

## ARTS, COMMERCE AND SCIENCE COLLEGE, SATANA

Tal. Baglan, Dist. Nashik (MS) INDIA. Pin - 423 301

NAAC Re-Accredited "A" Grade

**Dr. Vijay J. Medhane**  
M.Sc., Ph.D.  
Principal

**BEST RURAL COLLEGE AWARD OF SAVITRIBAI PHULE PUNE UNIVERSITY**

Affiliated to Savitribai Phule Pune University  
Id No. PU/NS/ACS/008 (1967)

College Code No.: 026  
Center Code No.: 052

Junior College Index No.  
13.12.002

Date: - 10/06/2023


### DECLARATION

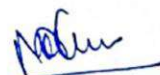
This is to declare that the information, reports, true copies of the supporting documents, numerical data etc. submitted/presented in the files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the record.

This declaration is for the purpose of NAAC accreditation of HEI for the 4<sup>th</sup> cycle period 2017-18 to 2021-22

Date: 10/06/2023

Place: Satana

  
**Dr. Prashant B. Koli**  
(IQAC Co-ordinator)  
**Co-ordinator**  
Internal Quality Assurance Cell (IQAC)  
K. A. A. N. M. S. Arts, Commerce &  
Science College, Satana (Nashik)

  
**Dr. Vijay J. Medhane**  
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MVP Samaj's

K.A.A.N.M.S Arts, Commerce and Science College, Tal-Baglan Dist -Nashik

**Procedure for CO, PO Attainment for  
Academic year 2017-22**

**Introduction:**

The K.A.A.N.M.S Arts, Commerce and Science College have adopted Final Year Result base analysis and Programme Exit Survey for the attainment of CO, PO form assessment years 2017-22. The Final year result of all courses have used for attainment of Course outcome (CO) called Direct Total Attainment. The Internal and External marks obtained by the student at Internal and University Examination have used for calculations and attainment of Course outcome. The college have decided 50% threshold value for all Courses for attainment of CO. The PO have calculated on the basis of Programme Exit Survey (Indirect Total Attainment) for which the final year student, Alumni & Stakeholders were gave us certain responses for questions incorporated at Programme Exit survey form academic year of **2017-22**.

**Mechanism for CO,PO:**

1. Marks Entry Classification:

Under the mechanism decided by the college, the marks are classified into two Categories i.e. Internal & External (University Examination). Then course wise marks entry were done by the respective departments and faculties in the prescribed excel sheet format.

2. Determination of Threshold Value:

All marks of Internal and External examination of all students have entered into the excel sheet, then after consideration of marks of all student for respective course have calculated on the basis threshold value. The threshold value is the base value upon which marks are to be consider for the further calculation of Course attainment.

3. Attainment Level Calculation of CO:

The college were decided Course attainment values for classification of Course attainment i.e. 1 for Low, 2 for Medium and 3 for High attainment of respective course. On the basis of internal and external marks of students the course attainment have calculated, then those courses outcome have secure value 1 are considered as Low Course attainment,those courses outcome have secure value 2 are considered as medium Course attainment,those courses outcome have secure value 3 are considered as High Course attainment.

4. Programme Exit Survey:

The college has conducted programme exit survey for attainment of PO and PSO.

## Criterion II Teaching –Learning and Evaluation

The programme exit survey were filled by the passed out student, Alumni & Stakeholders of respective Programme. Under the Programme exit survey Likert Rating scale based questions were asked to the respondents. On the basis of responses of passed out student, Alumni & Stakeholders of respective Programme, the Programme Outcome and Programme Specific Outcome have to be calculated.

### 5. Questionnaire for Programme Exit Survey:

The Questionnaire for Programme Exit Survey were filled by the passed out student, Alumni & Stakeholders of respective Programme. The predefined five questions were asked to the passed out student, Alumni & Stakeholders of respective Programme in the context of Likert Rating Scale (10 Scale). The questions are as follows:

- i. How will you rate to the Course Content under Specific Programme provides adequate knowledge and skills about the Course?
- ii. How will you rate the Programme assign by Parent university is able to inculcate Critical & analytical thinking among the Student?
- iii. How will you rate the Students are able to create, select and apply appropriate techniques & resources according to the need of modern Society?
- iv. How will you rate the Students are able to design Solutions for Complex Societal, Cultural, technical and Environmental Problems through knowledge given by Specific Programme?
- v. How will you rate the Students are able to functioning effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings?

### 6. Attainment Calculation of PO:

On the basis of responses of the passed out student, Alumni & Stakeholders of respective Programme to response sheet the attainment of PO and PSO have calculated. Then those Programme Outcome have secure value 1 are considered as Low Programme attainment, those Programme Outcome have secure value 2 are considered as medium Course attainment, those Programme Outcome have secure value 3 are considered as High Course attainment.

### 7. Final Attainment of CO, PO:

At the end of Calculation of Course outcome and Programme Outcome the decision have taken on the basis of Attainment Level i.e. 1 for Low, 2 for Medium and 3 for High attainment of respective course and Programme.

## Procedure for CO, PO Attainment with sample

K.A.A.NMS Arts, Commerce and Science College, Satana Nashik  
**Department of Marathi..**  
**Course Attainment Sheet - 2021-22**

Programme: MA,MARATHI		Max Marks :															
Name of the Exam : Internal & External Exam - 2021-22		<b>MARATHI</b>															
Sr. No	Name of the Student	Sem - III								Sem - IV							
		Course 1		Course 1		Course 1		Course 1		Course 1		Course 1		Course 1		Course 1	
		Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)	Internal (50)	External (50)
		Mark s	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
50% Marks	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
1	Bagul Sarala Yashwant	42	42	42	35	37	31	39	28	40	10	41	26	41	34	42	34
2	Ghode Suvarna Sudam	39	37	38	40	45	41	35	34	38	34	43	29	43	37	44	38
3	Halwar Chetankumar Popatlal	44	39	44	28	47	34	41	33	45	24	45	33	46	35	45	39
4	Morane Megha Uttam	38	33	39	32	45	28	33	35	40	29	32	28	34	30	36	31
5	Thakare Kavita Satish	39	40	39	33	39	39	39	36	38	33	39	24	40	36	42	33
6	Thakare Nilesh Raju	34	40	38	31	37	25	39	35	35	9	36	25	37	21	36	27
7	Wagh Prajakta Vijayraj	32	32	35	33	40	30	35	26	39	15	39	35	38	33	40	34



K.A.A.NMS Arts, Commerce and Science College, Satana Nashik  
 Department of MARATHI  
 Course Attainment Sheet - 2021-22

Programme: MA		Max Marks :																		
Name of the Exam : Internal & External Exam - 2021-22		Sem - III									Sem - IV									
S r . N o	Name of the Student	MARATHI,CC- 9 30401		MARATHI,C C-10 30402		MARATHI,C C-11 30404		MARATHI,C BOP-12 30405		MARATHI,C C-13 40401		MARATHI,C C-14 40402		MARATHI,C C-15 40404		MARATHI, CBOP-16 40405				
		Internal (50)	Exter nal (50)	Intern al (50)	Exter nal (50)	Intern al (50)	Exter nal (50)	Inter nal (50)	Exter nal (50)	Inter nal (50)	Exter nal (50)	Inter nal (50)	Exter nal (50)	Inter nal (50)	Exter nal (50)	Inter nal (50)	Exter nal (50)	Intern al (50)	Exte rnal (50)	
		Marks	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
		50% Marks	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Attempted		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
>=50		7	7	7	7	7	7	7	7	7	3	7	6	7	6	7	7	7		
<b>Target Attainment (%)</b>		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	42.86	100.00	85.71	100.00	85.71	100.00	100.00			
CO Level		Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 13	Level 1	Level 13	Level 3	Level 13	Level 3	Level 3			
		<b>Sem -III</b>									<b>Sem -IV</b>									
		Overall Attain ment %	Internal	Level	External	Level	Internal	Level	External	Level	Internal	Level	External	Level	Internal	Level	External	Level		
			CO1	100.00	3	100.00	3	CO5	100.00	3	42.86	1								
			CO2	100.00	3	100.00	3	CO6	100.00	3	85.71	3								
			CO3	100.00	3	100.00	3	CO7	100.00	3	85.71	3								

**Criterion II Teaching –Learning and Evaluation**

				CO4	100.0 0	3	100.0 0	3	CO8	100.0 0	3	100.0 0	3					







CO Level		Level 1				Level 1				Level 1				Level 2				Level 2				Level 1				Level 1							

		Sem - III			Sem - IV			
	Overall Attainment %	CO	Level	Levels	CO	Level	Levels	
		CO1	53.85	1	CO1	63.08	2	
		CO2	58.46	1	CO2	60.00	2	
		CO3	55.38	1	CO3	56.92	1	
		CO4	56.92	1	CO4	58.46	1	

	Direct Total Attainment				Indirect Total Attainment			
	Sem - III		Sem - IV		Sem -III		Sem - IV	
	Internal	External	Internal	External	CO	Level	CO	Level
CO1	3	3			CO1	1		
CO2	3	3			CO2	1		
CO3	3	3			CO3	1		
CO4	3	3			CO4	1		
CO5			3	1			CO5	2
CO6			3	3			CO6	2
CO7			3	3			CO7	1
CO8			3	3			CO8	1
Attainment	3.00	3.00	3.00	2.50	1.00		1.50	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	2.10	0.90	1.75	Final Direct Attainment			1.25
Final Direct Attainment	3.00		2.65					
	2.83				1.25			
Weightage	70%					30%		
Direct Total Attainment	1.98				0.38			
Final Direct Attainment	2.35							

<b>Level of Attainment</b>	<b>Base Value (level)</b>	<b>PO/ PSO Attainment Value</b>
<b>Low</b>	<b>1</b>	<b>2.35</b>
<b>Medium</b>	<b>2</b>	
<b>High</b>	<b>3</b>	

**Maratha Vidya Prasark Samaj's  
KAANMS Arts, Commerce and Science College Satana Tal-Baglan Dist-Nashik  
Overall CO, PO Attainment (2017-2022)**

**2021-22**

Faculty	Name of the Course	Attainment of CO (Direct Total Attainment)		Attainment of PO (Indirect Total Attainment)		CO, PO Final Attainment Value	
		UG	PG	UG	PG	UG	PG
Arts	Economics	2.10	1.95	0.85	0.75	2.95	0.27
	Political Science	2.10	2.00	0.90	0.90	3.00	2.90
	Geography	2.07	2.01	0.90	0.90	2.97	2.91
	History	2.10	1.42	0.90	1.50	3.00	2.92
	Marathi	1.66	1.98	0.90	0.90	2.56	2.88
	Hindi	1.94	1.82	0.90	0.90	2.84	2.72
	English	2.10	2.10	0.90	0.90	3.00	3.00

	Music	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Arts</b>					<b>2.54</b>	<b>2.51</b>
Commerce & Management	Commerce	2.10	2.07	0.90	0.90	3.00	2.97
	BBA	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Commerce &amp; Management</b>					<b>3.00</b>	<b>2.97</b>
Science	Botany	1.28	2.10	0.90	0.90	2.18	3.00
	Chemistry	2.10	2.10	0.90	0.88	3.00	2.98
	Computer Science	1.79	2.10	0.90	0.88	2.69	2.98
	Electronic Scinece	1.75	NA	0.90	NA	2.65	NA
	Mathematics	1.34	NA	0.90	NA	2.24	NA
	Microbiology	2.1	2.1	0.90	0.9	3.00	3.00
	Physics	2.09	NA	0.90	NA	2.99	NA
	Zoology	2.10	2.10	0.90	0.90	3.00	3.00
	<b>Final Attainment Value - Science</b>					<b>2.72</b>	<b>2.99</b>



2020-21							
Faculty	Name of the Course	Attainment of CO (Direct Total Attainment)		Attainment of PO (Indirect Total Attainment)		CO, PO Final Attainment Value	
		UG	PG	UG	PG	UG	PG
Arts	Economics	2.10	1.95	0.85	0.75	2.95	0.27
	Political Science	2.10	2.00	0.90	0.90	3.00	2.90
	Geography	2.07	2.01	0.90	0.90	2.97	2.91
	History	2.10	1.42	0.90	1.50	3.00	2.92
	Marathi	1.66	1.98	0.90	0.90	2.56	2.88
	Hindi	1.94	1.82	0.90	0.90	2.84	2.72
	English	2.10	2.10	0.90	0.90	3.00	3.00
	Music	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Arts</b>						<b>2.26</b>
Commerce & Management	Commerce	2.10	2.07	0.90	0.90	3.00	2.97

	BBA	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Commerce &amp; Management</b>					<b>3.00</b>	<b>2.97</b>
Science	Botany	1.28	2.10	0.90	0.90	2.18	3.00
	Chemistry	2.10	2.10	0.90	0.88	3.00	2.98
	Computer Science	1.79	2.10	0.90	0.88	2.69	2.98
	Electronic Scinece	1.75	NA	0.90	NA	2.65	NA
	Mathematics	1.34	NA	0.90	NA	2.24	NA
	Microbiology	2.1	2.1	0.90	0.9	3.00	3.00
	Physics	2.09	NA	0.90	NA	2.99	NA
	Zoology	2.10	2.10	0.90	0.90	3.00	3.00
	<b>Final Attainment Value - Science</b>					<b>2.72</b>	<b>2.99</b>

2019-20							
Faculty	Name of the Course	Attainment of CO (Direct Total Attainment)		Attainment of PO (Indirect Total Attainment)		CO, PO Final Attainment Value	
		UG	PG	UG	PG	UG	PG
Arts	Economics	2.10	1.95	0.85	0.75	2.95	0.27
	Political Science	2.10	2.00	0.90	0.90	3.00	2.90
	Geography	2.07	2.01	0.90	0.90	2.97	2.91
	History	2.10	1.42	0.90	1.50	3.00	2.92
	Marathi	1.66	1.98	0.90	0.90	2.56	2.88
	Hindi	1.94	1.82	0.90	0.90	2.84	2.72
	English	2.10	2.10	0.90	0.90	3.00	3.00
	Music	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Arts</b>						<b>2.54</b>

Commerce & Management	Commerce	2.10	2.07	0.90	0.90	3.00	2.97
	BBA	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Commerce &amp; Management</b>					<b>3.00</b>	<b>2.43</b>
Science	Botany	1.28	2.10	0.90	0.90	2.18	3.00
	Chemistry	2.10	2.10	0.90	0.88	3.00	2.98
	Computer Science	1.79	2.10	0.90	0.88	2.69	2.98
	Electronic Scinece	1.75	NA	0.90	NA	2.65	NA
	Mathematics	1.34	NA	0.90	NA	2.24	NA
	Microbiology	2.1	2.1	0.90	0.9	3.00	3.00
	Physics	2.09	NA	0.90	NA	2.99	NA
	Zoology	2.10	2.10	0.90	0.90	3.00	3.00
	<b>Final Attainment Value - Science</b>					<b>2.72</b>	<b>2.99</b>

2018-19							
Faculty	Name of the Course	Attainment of CO (Direct Total Attainment)		Attainment of PO (Indirect Total Attainment)		CO, PO Final Attainment Value	
		UG	PG	UG	PG	UG	PG
Arts	Economics	2.10	1.95	0.85	0.75	2.95	0.27
	Political Science	2.10	2.00	0.90	0.90	3.00	2.90
	Geography	2.07	2.01	0.90	0.90	2.97	2.91
	History	2.10	1.42	0.90	1.50	3.00	2.92
	Marathi	1.66	1.98	0.90	0.90	2.56	2.88
	Hindi	1.94	1.82	0.90	0.90	2.84	2.72
	English	2.10	2.10	0.90	0.90	3.00	3.00
	Music	2.10	NA	0.90	NA	3.00	NA

	<b>Final Attainment Value - Arts</b>					<b>2.54</b>	<b>2.51</b>
Commerce & Management	Commerce	2.10	2.07	0.90	0.90	3.00	2.97
	BBA	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Commerce &amp; Management</b>					<b>3.00</b>	<b>2.97</b>
Science	Botany	1.28	2.10	0.90	0.90	2.18	3.00
	Chemistry	2.10	2.10	0.90	0.90	3.00	3.00
	Computer Science	1.79	2.10	0.90	0.88	2.69	2.98
	Electronic Scinece	1.75	NA	0.90	NA	2.65	NA
	Mathematics	1.34	NA	0.90	NA	2.24	NA
	Microbiology	2.1	2.1	0.90	0.88	3.00	2.98
	Physics	2.09	NA	0.90	NA	2.99	NA
	Zoology	2.10	2.10	0.90	0.90	3.00	3.00
	<b>Final Attainment Value - Science</b>					<b>2.72</b>	<b>2.99</b>

2017-18

Faculty	Name of the Course	Attainment of CO (Direct Total Attainment)		Attainment of PO (Indirect Total Attainment)		CO, PO Final Attainment Value	
		UG	PG	UG	PG	UG	PG
Arts	Economics	2.10	1.95	0.85	0.75	2.95	0.27
	Political Science	2.10	2.00	0.90	0.90	3.00	2.90
	Geography	2.07	2.01	0.90	0.90	2.97	2.91
	History	2.10	1.42	0.90	1.50	3.00	2.92
	Marathi	1.66	1.98	0.90	0.90	2.56	2.88
	Hindi	1.94	1.82	0.90	0.90	2.84	2.72
	English	2.10	2.10	0.90	0.90	3.00	3.00
	Music	NA	NA	NA	NA	NA	NA



	<b>Final Attainment Value - Arts</b>					<b>2.26</b>	<b>2.51</b>
Commerce & Management	Commerce	2.10	2.07	0.90	0.90	3.00	2.97
	BBA	NA	NA	NA	NA	NA	NA
	<b>Final Attainment Value - Commerce &amp; Management</b>					<b>1.50</b>	<b>2.97</b>
Science	Botany	1.28	NA	0.90	NA	2.18	NA
	Chemistry	2.10	2.10	0.90	0.88	3.00	2.98
	Computer Science	1.79	2.10	0.90	0.88	2.69	2.98
	Electronic Scinece	1.75	NA	0.90	NA	2.65	NA
	Mathematics	1.34	NA	0.90	NA	2.24	NA
	Microbiology	2.10	2.10	0.90	0.88	3.00	2.98
	Physics	2.09	NA	0.90	NA	2.99	NA
	Zoology	2.10	NA	0.90	NA	3.00	NA
	<b>Final Attainment Value - Science</b>					<b>2.72</b>	<b>2.98</b>