



Maratha Vidya Prasarak Samaj

G. M. D. Arts, B. W. Commerce and Science College, Sinnar, Dist. Nashik

Affiliated to Savitribai Phule Pune University, Pune

Best College Awarded by SPPU2012-13

ISO 9001:2015 Certified College

Id.No.PU/NS/ASC/013/1969

AISHE:C-41292

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www.gmdcollege.in

INTERNAL QUALITY ASSURANCE CELL

CRITERION 2: TEACHING LEARNING AND EVALUATION

2.6.2. Attainment of POs and COs are evaluated



Description for evaluation of Attainment for POs and COs for all Programmes



Maratha Vidya Prasarak Samaj's
**G.M.D. Arts, B.W. Commerce
& Science College, Sinnar**

Tal. Sinnar, Dist. Nashik - 422 103 (M.S.) INDIA

Best College Award by Savitribai
Phule Pune University 2012-13

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Affiliated to Savitribai Phule Pune
University ID No. : PU/NS/ASC/013/(1969)

Junior College No. J.13.13.001

HTE Sevaarth ID - 06220100119_AST AISHE - C - 41292

Ref. No. 537/2023-24

Date : 13/07/2023

DECLARATION

This is to declare that the information, reports, true copies of the supporting documents, numerical data, provided links, institutional data, photographs etc. submitted/presented herewith is verified by Internal Quality Assurance Cell (IQAC) of this college and is correct as per the records. This declaration is for the purpose of NAAC accreditation of HEI for the 4th Cycle during the period from 2017-2018 to 2021-2022.

Date: 13/07/2023

Place: Sinnar

Dr. C. E. Gurule
Coordinator, IQAC
Co-ordinator
IQAC

G. M. D. Arts, B.W. Commerce & Science
College, Sinnar, Dist. Nashik 422103



Dr. P. V. Rasal
Chairman, IQAC and Principal

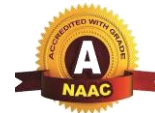
PRINCIPAL
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NAAC Reaccredited 'A' grade

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2.6.2 - Attainment of Programme Outcomes (POs) and Course Outcomes (COs) are evaluated.

Introduction:

GMD Arts, BW Commerce and Science College Sinnar has adopted Final Year Result based analysis and Programme Exit Survey for the attainment of CO, PO & PSO for the academic year 2021-22. The Final year result of all courses (**2021-22**) has been 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 held at **2020-21** have been used for calculations and attainment of Course Outcome. The college has decided 50% threshold value for all Courses for attainment of CO. The PO and PSO are calculated on the basis of Programme Exit Survey (Indirect Total Attainment) for which the final year student, Alumni & Stakeholders gave us certain responses for questions incorporated at Programme Exit survey for academic year of **2021-22**.

Mechanism for CO, PO & PSO:

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 are entered 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 are entered into the excel sheet, then after consideration of marks of all the students for respective course, the marks are calculated on the basis of threshold value. The threshold value is the base value upon which marks are to be considering for the further calculation of Course attainment.

3. Attainment Level of Calculation of CO:

The college 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 is calculated. The courses outcome which secure value 1 is considered as Low Course attainment, 2 is considered as medium Course attainment and 3 is considered as High Course attainment.

4. Programme Exit Survey:

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



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Alumni & Stakeholders of respective Programme, the Programme Out come and Programme Specific Outcome are calculated.

5. Questionnaire for Programme Exit Survey:

The Questionnaire for Programme Exit Survey was filled out 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 & PSO:

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 been calculated. Then those Programme Outcomes which have secured value 1 are considered as Low Programme attainment, value 2 for medium and 3 for high course attainments respectively.

7. Final Attainment of CO, PO & PSO:

At the end of Calculation of Course Outcomes and Programme Outcomes, the decision has been 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.

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Sr. No.	% of students scored more than or equal to 50% marks.	Attainment Level
1	Less than 40% of students scored more than or equal to 50% marks.	Attainment level not reach (Indicated by False) Improve attainment level
2	More than or equal to 40% of students scored more than or equal to 50% marks.	1 (Low)
3	More than or equal to 60% of students scored more than or equal to 50% marks.	2 (Medium)
4	More than or equal to 70% of students scored more than or equal to 50% marks.	3 (High)

Department of Botany Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Botany Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	FALSE	CO2	3
CO3	3	FALSE	CO3	3
CO4	3	FALSE	CO4	3
CO5	3	FALSE	CO5	3
CO6	3	3	CO6	3
CO7	FALSE	FALSE	CO7	FALSE
CO8	FALSE	FALSE	CO8	FALSE
CO9	FALSE	FALSE	CO9	FALSE
Attainment	2.00	0.33	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.40	0.27		
Final Direct Attainment	0.67			
Weightage	70%		30%	
Direct Total Attainment	0.47		0.90	
Final Direct Attainment	1.37			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	1.37
Medium	2	
High	3	

Department of Chemistry Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Chemistry Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Mathematic Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Mathematic Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Microbiology Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	2
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	2.91
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.87	
Final Direct Attainment	2.97			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.97
Medium	2	
High	3	

Department of Microbiology Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Physics Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Physics Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Zoology Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	FALSE	FALSE	CO7	FALSE
CO8	FALSE	FALSE	CO8	FALSE
CO9	FALSE	FALSE	CO9	FALSE
Attainment	2.00	2.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.40	1.60		
Final Direct Attainment	2.00			
Weightage	70%		30%	
Direct Total Attainment	1.40		0.90	
Final Direct Attainment	2.30			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.30
Medium	2	
High	3	

Department of Zoology Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Chemistry Attainment of CO, PO & PSO Semester-III (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	1	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	2.60	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.82		
Final Direct Attainment	2.72			
Weightage	70%		30%	
Direct Total Attainment	1.90		0.90	
Final Direct Attainment	2.80			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.80
Medium	2	
High	3	

Department of Chemistry Attainment of CO, PO & PSO Semester-IV (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	1	CO2	3
CO3	3	1	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	1.80	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.26		
Final Direct Attainment	2.16			
Weightage	70%		30%	
Direct Total Attainment	1.51		0.90	
Final Direct Attainment	2.41			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.41
Medium	2	
High	3	

Department of Physics Attainment of CO, PO & PSO Semester-III (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	2	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	2.80	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.96		
Final Direct Attainment	2.86			
Weightage	70%		30%	
Direct Total Attainment	2.00		0.90	
Final Direct Attainment	2.90			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.90
Medium	2	
High	3	

Department of Physics Attainment of CO, PO & PSO Semester-IV (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	FALSE	CO2	3
CO3	3	2	CO3	3
CO4	3	FALSE	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	1.00	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	0.70		
Final Direct Attainment	1.60			
Weightage	70%		30%	
Direct Total Attainment	1.12		0.90	
Final Direct Attainment	2.02			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.02
Medium	2	
High	3	

Department of Zoology Attainment of CO, PO & PSO Semester-III (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	2.10		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Zoology Attainment of CO, PO & PSO Semester-IV (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	1	CO2	3
CO3	3	2	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	1.80	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.26		
Final Direct Attainment	2.16			
Weightage	70%		30%	
Direct Total Attainment	1.51		0.90	
Final Direct Attainment	2.41			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.41
Medium	2	
High	3	

Department of Commerce Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	2	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	2.83	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.98		
Final Direct Attainment	2.88			
Weightage	70%		30%	
Direct Total Attainment	2.02		0.90	
Final Direct Attainment	2.92			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.92
Medium	2	
High	3	

Department of Commerce Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	2	CO1	3
CO2	3	1	CO2	3
CO3	3	3	CO3	3
CO4	3	2	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	2.33	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.63		
Final Direct Attainment	2.53			
Weightage	70%		30%	
Direct Total Attainment	1.77		0.90	
Final Direct Attainment	2.67			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.67
Medium	2	
High	3	

Department of Commerce Attainment of CO, PO & PSO Semester-III (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	2.10		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Commerce Attainment of CO, PO & PSO Semester-IV (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	2.10		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of BVOC FPP Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of BVOC FPP Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	2
CO4	3	3	CO4	3
CO5	3	3	CO5	2
CO6	3	3	CO6	1
CO7	3	3	CO7	3
CO8	3	3	CO8	1
Attainment	3.00	3.00	Final Direct Attainment	2.25
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.68	
Final Direct Attainment	2.78			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.78
Medium	2	
High	3	

Department of BVOC LPM Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of BVOC LPM Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of History Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	2.67	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.87		
Final Direct Attainment	2.77			
Weightage	70%		30%	
Direct Total Attainment	1.94		0.90	
Final Direct Attainment	2.84			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.84
Medium	2	
High	3	

Department of History Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	3	CO2	3
CO3	3	1	CO3	3
CO4	3	1	CO4	3
CO5	3	3	CO5	3
CO6	3	1	CO6	3
Attainment	3.00	1.50	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.05		
Final Direct Attainment	1.95			
Weightage	70%		30%	
Direct Total Attainment	1.37		0.90	
Final Direct Attainment	2.27			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.27
Medium	2	
High	3	

**Department of Defence and Strategic Studies Attainment of CO, PO & PSO Semester-V
(UG)**

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	1	1	CO1	3
CO2	1	2	CO2	3
CO3	1	1	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	2.00	2.17	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.60	1.52		
Final Direct Attainment	2.12			
Weightage	70%		30%	
Direct Total Attainment	1.48		0.90	
Final Direct Attainment	2.38			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.38
Medium	2	
High	3	

**Department of Defence and Strategic Studies Attainment of CO, PO & PSO Semester-VI
(UG)**

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	1	CO2	3
CO3	2	1	CO3	3
CO4	3	1	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	2.83	1.50	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.85	1.05		
Final Direct Attainment	1.90			
Weightage	70%		30%	
Direct Total Attainment	1.33		0.90	
Final Direct Attainment	2.23			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.23
Medium	2	
High	3	

Department of Geography Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	2	CO2	3
CO3	3	2	CO3	3
CO4	3	3	CO4	2
CO5	3	1	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	2.33	Final Direct Attainment	2.83
Weightage	30%	70%		
Direct Total Attainment	0.90	1.63		
Final Direct Attainment	2.53			
Weightage	70%		30%	
Direct Total Attainment	1.77		0.85	
Final Direct Attainment	2.62			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.62
Medium	2	
High	3	

Department of Geography Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	1	CO2	2
CO3	3	1	CO3	3
CO4	3	1	CO4	2
CO5	3	2	CO5	3
CO6	3	FALSE	CO6	3
Attainment	3.00	1.33	Final Direct Attainment	2.67
Weightage	30%	70%		
Direct Total Attainment	0.90	0.93		
Final Direct Attainment	1.83			
Weightage	70%		30%	
Direct Total Attainment	1.28		0.80	
Final Direct Attainment	2.08			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.08
Medium	2	
High	3	

Department of English Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	FALSE	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	2.17	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.52		
Final Direct Attainment	2.42			
Weightage	70%		30%	
Direct Total Attainment	1.69		0.90	
Final Direct Attainment	2.59			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.59
Medium	2	
High	3	

Department of English Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	2	CO2	3
CO3	3	3	CO3	3
CO4	3	1	CO4	3
CO5	3	FALSE	CO5	3
CO6	3	FALSE	CO6	3
Attainment	3.00	1.17	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	0.82		
Final Direct Attainment	1.72			
Weightage	70%		30%	
Direct Total Attainment	1.20		0.90	
Final Direct Attainment	2.10			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.10
Medium	2	
High	3	

Department of Marathi Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	1	CO2	3
CO3	3	3	CO3	1
CO4	3	1	CO4	3
CO5	3	FALSE	CO5	1
CO6	3	FALSE	CO6	3
Attainment	3.00	0.83	Final Direct Attainment	2.33
Weightage	30%	70%		
Direct Total Attainment	0.90	0.58		
Final Direct Attainment	1.48			
Weightage	70%		30%	
Direct Total Attainment	1.04		0.70	
Final Direct Attainment	1.74			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	1.74
Medium	2	
High	3	

Department of Marathi Attainment of CO, PO & PSO Semester-VI (UG)

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Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	1	CO2	3
CO3	3	1	CO3	1
CO4	3	1	CO4	3
CO5	3	FALSE	CO5	1
CO6	3	FALSE	CO6	3
Attainment	3.00	0.50	Final Direct Attainment	2.33
Weightage	30%	70%		
Direct Total Attainment	0.90	0.35		
Final Direct Attainment	1.25			
Weightage	70%		30%	
Direct Total Attainment	0.88		0.70	
Final Direct Attainment	1.58			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	1.58
Medium	2	
High	3	

Department of Economics Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	2	CO2	3
CO3	3	1	CO3	3
CO4	3	3	CO4	3
CO5	3	1	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	1.83	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.28		
Final Direct Attainment	2.18			
Weightage	70%		30%	
Direct Total Attainment	1.53		0.90	
Final Direct Attainment	2.43			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.43
Medium	2	
High	3	

Department of Economics Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	2	CO2	3
CO3	3	1	CO3	3
CO4	3	3	CO4	3
CO5	3	1	CO5	3
CO6	3	3	CO6	3
Attainment	3.00	1.83	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.28		
Final Direct Attainment	2.18			
Weightage	70%		30%	
Direct Total Attainment	1.53		0.90	
Final Direct Attainment	2.43			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.43
Medium	2	
High	3	

Department of Political Science Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	FALSE	CO2	3
CO3	3	2	CO3	3
CO4	3	3	CO4	3
CO5	3	2	CO5	3
CO6	3	FALSE	CO6	3
Attainment	3.00	1.33	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	0.93		
Final Direct Attainment	1.83			
Weightage	70%		30%	
Direct Total Attainment	1.28		0.90	
Final Direct Attainment	2.18			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.18
Medium	2	
High	3	

Department of Political Science Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	FALSE	CO2	3
CO3	3	1	CO3	3
CO4	3	FALSE	CO4	3
CO5	3	FALSE	CO5	3
CO6	3	FALSE	CO6	3
Attainment	3.00	0.17	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	0.12		
Final Direct Attainment	1.02			
Weightage	70%		30%	
Direct Total Attainment	0.71		0.90	
Final Direct Attainment	1.61			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	1.61
Medium	2	
High	3	

**Department of Defence and Strategic Studies Attainment of CO, PO & PSO Semester-III
and IV (PG)**

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	3		
CO2	3	3			CO2	3		
CO3	3	3			CO3	2		
CO4	3	3			CO4	2		
CO5			3	3			CO5	2
CO6			3	3			CO6	3
CO7			3	3			CO7	2
CO8			3	3			CO8	3
Attainment	3.00	3.00	3.00	3.00	2.50		2.50	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	2.10	0.90	2.10	Final Direct Attainment			2.50
Final Direct Attainment	3.00		3.00					
	3.00				2.50			
Weightage	70%				30%			
Direct Total Attainment	2.10				0.75			
Final Direct Attainment	2.85							

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.85
Medium	2	
High	3	

Department of Marathi Attainment of CO, PO & PSO Semester-III and IV (PG)

Direct Total Attainment					Indirect Total Attainment			
MA Marathi 2021-22	Sem - III		Sem - IV		Sem -III		Sem - IV	
	Internal	External	Internal	External	CO	Level	CO	Level
CO1	3	3			CO1	3		
CO2	3	3			CO2	3		
CO3	3	3			CO3	3		
CO4	3	3			CO4	3		
CO5			3	3			CO5	3
CO6			3	3			CO6	3
CO7			3	3			CO7	3
CO8			3	3			CO8	3
Attainment	3.00	3.00	3.00	3.00	3.00		3.00	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	2.10	0.90	2.10	Final Direct Attainment			3.00
Final Direct Attainment	3.00		3.00					
	3.00				3.00			
Weightage	70%				30%			
Direct Total Attainment	2.10				0.90			
Final Direct Attainment	3.00							

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Political Science Attainment of CO, PO & PSO Semester-III and IV (PG)

Direct Total Attainment					Indirect Total Attainment			
MA POL. SCI. 2021-22	Sem - III		Sem - IV		Sem -III		Sem - IV	
	Internal	External	Internal	External	CO	Level	CO	Level
CO1	3	3			CO1	3		
CO2	3	3			CO2	3		
CO3	3	3			CO3	3		
CO4	3	3			CO4	3		
CO5			3	3			CO5	3
CO6			3	3			CO6	3
CO7			3	3			CO7	3
CO8			3	2			CO8	3
Attainment	3.00	3.00	3.00	2.75	3.00		3.00	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	2.10	0.90	1.93	Final Direct Attainment			3.00
Final Direct Attainment	3.00		2.83					
	2.91				3.00			
Weightage	70%				30%			
Direct Total Attainment	2.04				0.90			
Final Direct Attainment	2.94							

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.94
Medium	2	
High	3	

Department of Economics Attainment of CO, PO & PSO Semester-III and IV (PG)

Direct Total Attainment					Indirect Total Attainment			
	Sem - III		Sem - IV		Sem -III		Sem - IV	
	Internal	External	Internal	External	CO	Level	CO	Level
CO1	3	1			CO1	3		
CO2	3	3			CO2	3		
CO3	3	1			CO3	3		
CO4	3	3			CO4	3		
CO5			3	1			CO5	3
CO6			3	3			CO6	3
CO7			3	3			CO7	3
CO8			3	3			CO8	3
Attainment	3.00	2.00	3.00	2.50	3.00		3.00	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	1.40	0.90	1.75	Final Direct Attainment			3.00
Final Direct Attainment	2.30		2.65					
	2.48				3.00			
Weightage	70%				30%			
Direct Total Attainment	1.73				0.90			
Final Direct Attainment	2.63							

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.63
Medium	2	
High	3	

Department of Geography Attainment of CO, PO & PSO Semester-III (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	2
CO4	3	3	CO4	3
CO5	3	3	CO5	3
Attainment	3.00	3.00	Final Direct Attainment	2.80
Weightage	30%	70%		
Direct Total Attainment	0.90	2.10		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	3.00		0.84	
Final Direct Attainment	3.84			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.84
Medium	2	
High	3	

Department of Geography Attainment of CO, PO & PSO Semester-IV (PG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	FALSE	CO1	3
CO2	3	FALSE	CO2	3
CO3	3	FALSE	CO3	2
CO4	3	3	CO4	3
CO5	3	3	CO5	2
Attainment	3.00	1.20	Final Direct Attainment	2.60
Weightage	30%	70%		
Direct Total Attainment	0.90	0.84		
Final Direct Attainment	1.74			
Weightage	70%		30%	
Direct Total Attainment	1.22		0.78	
Final Direct Attainment	2.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.00
Medium	2	
High	3	

Department of English Attainment of CO, PO & PSO Semester-III and IV (PG)

Direct Total Attainment					Indirect Total Attainment			
	Sem - III		Sem - IV		Sem -III		Sem - IV	
	Interna 1	Externa 1	Interna 1	Externa 1	CO	Leve 1	CO	Leve 1
CO1	3	3			CO 1	3		
CO2	3	3			CO 2	3		
CO3	3	3			CO 3	3		
CO4	3	3			CO 4	3		
CO5			3	3			CO 5	3
CO6			3	FALSE			CO 6	3
CO7			3	3			CO 7	3
CO8			3	3			CO 8	3
Attainment	3.00	3.00	3.00	2.25	3.00		3.00	
Weightage	30%	70%	30%	70%				
Direct Total Attainment	0.90	2.10	0.90	1.58	Final Direct Attainment			3.00
Final Direct Attainment	3.00		2.48					
	2.74				3.00			
Weightage	70%				30%			
Direct Total Attainment	1.92				0.90			
Final Direct Attainment	2.82							

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.82
Medium	2	
High	3	

Department of Computer Science Attainment of CO, PO & PSO Semester-V (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	

Department of Computer Science Attainment of CO, PO & PSO Semester-VI (UG)

Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	3	CO1	3
CO2	3	3	CO2	3
CO3	3	3	CO3	3
CO4	3	3	CO4	3
CO5	3	3	CO5	3
CO6	3	3	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	3	CO11	3
Attainment	3.00	3.00	Final Direct Attainment	3.00
Weightage	20%	80%		
Direct Total Attainment	0.60	2.40		
Final Direct Attainment	3.00			
Weightage	70%		30%	
Direct Total Attainment	2.10		0.90	
Final Direct Attainment	3.00			

Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	3.00
Medium	2	
High	3	