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SOPHIA COLLEGE

AUTONOMOUS

An Institution of
the Society for the Higher Education
of Women in India

CO-PO Mapping and Attainment Evaluation Policy

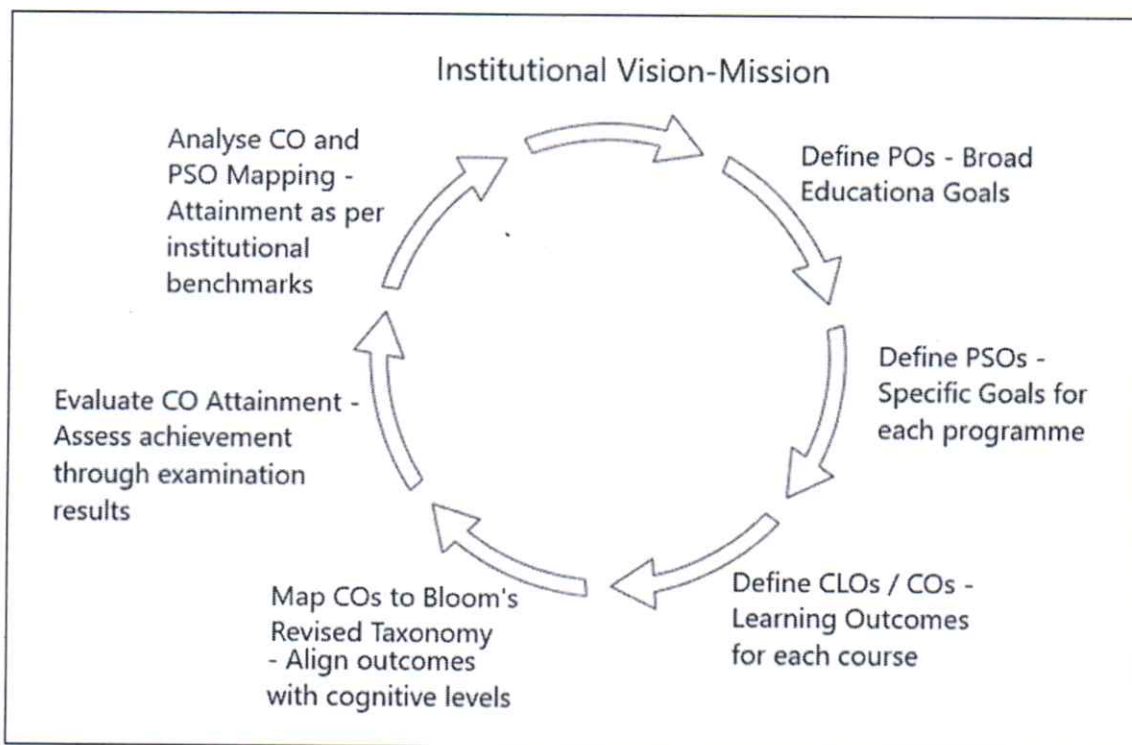| 1.	Administrative Policy Number (APN): SCWAPN/11A	Functional Area: Systematic planning, design, implementation, and evaluation of educational programs.
2.	Brief Description of the Policy	Purpose: To develop a systematic process for aligning course learning outcomes with programme specific outcomes and program outcomes and to measure their attainment.
3.	Policy Applies to:	All stake holders of the organization
4.	Effective from the Date:	26th November, 2018
5.	Approved by:	Examination Committee, NEP 2020 Core Committee
6.	Responsible Authority	Controller of Examination
7.	Superseding Authority	Principal
8.	Last Reviewed / Updated	Updated : June, 2023
9.	Reason for the policy	To map the course learning outcomes with Bloom's Revised Taxonomy and to measure the attainment of these with program specific outcomes to ensure outcome-based education
10.	Reference for the policy	UGC / NAAC / NEP2020

Introduction:

This policy outlines the framework for mapping Program Specific Outcomes (PSOs) with Course Learning Outcomes (CLOs), in compliance with the recommendations of the University Grants Commission (UGC) and the National Education Policy 2020 (NEP 2020). It ensures outcome-based education (OBE), academic accountability, and holistic development of learners.

Objectives:

- To establish a systematic approach for aligning PSOs with CLOs.
- To ensure curriculum delivery is aligned with desired Programme outcomes (POs) and graduate attributes.
- To foster continuous quality improvement in teaching, learning, and assessment.

Process:

Institutional Vision-Mission

Analyse CO and PSO Mapping - Attainment as per institutional benchmarks

Define POs - Broad Educationa Goals

Define PSOs - Specific Goals for each programme

Evaluate CO Attainment - Assess achievement through examination results

Map COs to Bloom's Revised Taxonomy - Align outcomes with cognitive levels

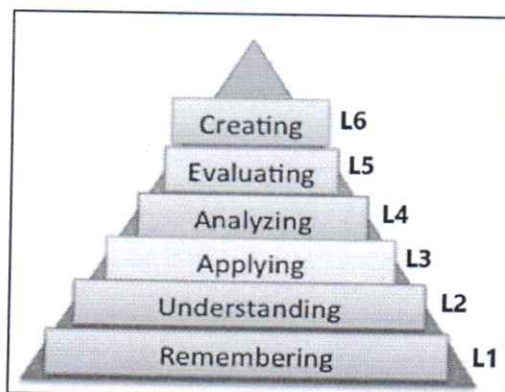Define CLOs / COs - Learning Outcomes for each course

1. Framing of POs: As per the Vision-Mission and the core values of the institution, the POs will be defined for the various UG, PG and Ph.D. programmes. These will be widely publicized to all the stakeholders through college website as well as through the syllabus given.

2. Defining PSOs: Each of the discipline specific programme will define the PSOs which will be customized as per the skill sets and the curriculum requirements of the respective subjects.

3. Defining COs: Each course will clearly define Course Learning Outcomes (CLOs) / Course Outcomes (COs) aligned with the PSOs of the program. These will be framed as per the Bloom's Revised Taxonomy to achieve higher orders of learning. The learning levels will be specified as L1 to L6 as per the learning pyramid:

4. Mapping Matrix of COs to PSOs: The COs will be mapped to one or more PSOs using a Mapping Matrix on a scale of 1 to 3 based on the following levels of attainment:

> 1: Low alignment
>
> 2: Moderate alignment
>
> 3: High alignment

5. Attainment of each CO will be measured directly and indirectly:

- Direct attainment of COs will be determined from the performance of students in all relevant assessments – Continuous Assessment (CA) and Summative Assessment (SA)
- CA activities as well as SA question papers will be mapped as per the Bloom's taxonomy while framing the pattern of these assessments. These will be submitted to examination committee.
- Indirect attainment of COs will be determined from the exit survey as well as the institutional curriculum feedback mechanism.

6. Evaluation of the attainment of COs with the examination results:

Evaluation of the attainment of COs with the examination results of every semester for CA and SA will be done as per the CO Attainment Targets / Benchmarks defined by the institution as follows:

> i) The expected Proficiency % to attain a CO is 50%
>
> ii) An Excellent expected Attainment % is 75% and above
>
> iii) A Good expected attainment % is 60% to 74.9%
>
> iv) The low expected attainment % is 50% to 59.9%

7. Calculated matrix for CO attainment :

Level of alignment and attainment will be calculated as per the matrix given below:

Question No.	CO Level	Max. Marks	Average Marks scored	No of students attempted	50% of max. marks	No. of students who scored 50% or more marks	% of students who scored 50% or more marks

8. Documentation and Reporting:

- A standard CO-PSO Mapping Template will be used.
- Mapping and attainment data will be maintained in course files.
- Overall Summary report of Mapping CO and PSO and their attainment based on the benchmarks will be prepared as an analysis report for every semester and will be submitted to examination committee.

9. Review and Revision:

The department will discuss the CO attainment analysis drawn from the direct as well as indirect mechanism and will take appropriate action for the next academic year.

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IQAC Coordinator

Dr. Sr. Ananda Amritmahal
Principal

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