वयं राष्ट्रे जागृयाम् पुरोहिताः

Govt. Girls' P.G. College, Ujjain (M.P.)

(Established in 1958)

A Centre for Excellence, "A" Graded by NAAC in Two Cycles

Affiliated to Vikram University, Ujjain

Internal Quality Assurance Cell

समाधान
IQAC
GGPGC, Ujjain

CO-PO Attainment

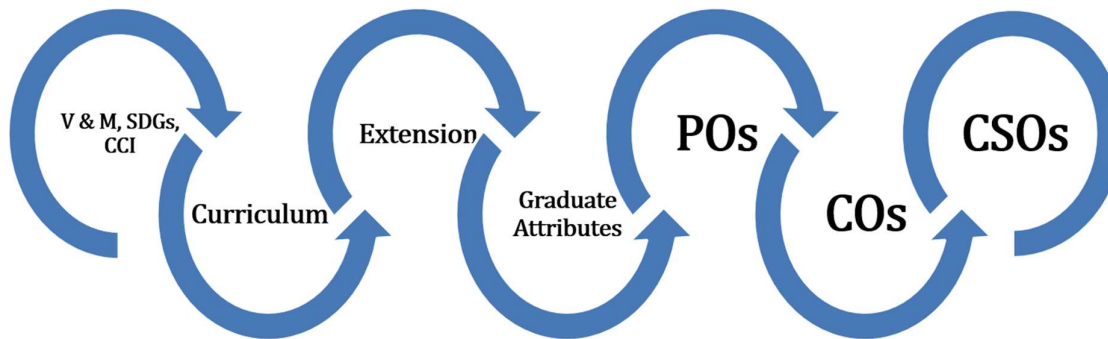CO Attainment   CO-PO mapping   PO Attainment

Introduction

Assessment of COs, POs and PSOs is a core academic activity and highly essential to assess the learning ability of the student. Programme outcome assessment is a continuous process to support teaching, learning and evaluation. It is the main mechanism to monitor the effectiveness of the learning environment based on evidences that determine whether students have met the course outcomes and objectives.

PROCESS INVOLVED IN DEFINING COs AND CO-PO MAPPING

- Curriculum planning and delivery includes description of Course Outcomes and Mapping of COs with POs.

- Being an affiliated college the institute adopts the curricula designed by Department of Higher Education, Bhopal and by the affiliating Vikram University, Ujjain

- Teachers of the college who are involved in the Central Boards of Studies or Boards of Studies as Chairpersons or Members play an active role in framing the curricula or UG and/or PG Courses.

- College has full autonomy to plan and enrich the delivery of curricula.

- College designs and delivers Add On Courses, Value Added Courses and Certificate Courses to enhance student centric learning with well -defined Learning Outcomes.

- IQAC has designed a Focal Scheme SAMADHAN to achieve academic excellence under its EQUIP (Excellence and Quality Unique Implementation Programme) wherein the following steps are taken

  - Using Standard Taxonomy to evolve COs

  - Coordinating with Departments to define POs and COs

  - Identifying common links between the Curricula and Vision,

Mission, Sustainable Development Goals and Cross Cutting Issues

- Synergizing Graduate Attributes and Extension Activities with the Vision and Mission of the College in alignment with the Global SDGs and Cross Cutting Issues

- Dissemination of POs and COs on the Website, Zero Classes, Induction Programme, Classroom Interactions, Laboratory Sessions, Display Boards, Career Counseling Sessions, Seminars/Webinars, Teacher Guardian Scheme,

- Course Specific Outcomes are defined and stated by the Teachers as Learning Outcomes in their Planners. These CSOs are communicated to the students in the classes.

Assessment of the POs and COs

The attainment of the POs includes both direct and indirect assessments.

Direct Assessment involves

- Classroom performance
- Laboratory performance
- Performances, Demonstrations etc.
- Formative Assessment - Marks of Continuous Internal Evaluation
- Internal Lab Reports
- Bloom's Taxonomy Assessment Levels
- Marks of Semester End practical Exams
- Summative Assessment – Pass Percentage of Semester End/ Annual University Exam
- Annual/Semester End Project Marks etc.

CO – PO MAPPING

All the courses together must cover all the POs (and PSOs). For a course we map the COs to POs through the CO-PO matrix. For eg.

CO-PO Mapping

Course Name and code	CO/PO	PO1	PO2	PO3	PO4	PO5
Group Theory MTU 101	CO1	✓	✓		✓	✓
	CO2	✓		✓		✓
	CO3	✓	✓			✓
	CO4	✓	✓	✓	✓	
Real Analysis MTU 102	CO1		✓			✓
	CO2	✓		✓		✓
	CO3		✓			
	CO4	✓	✓	✓		
Complex Analysis MTU 103	CO1	✓	✓		✓	✓
	CO2	✓		✓		✓
	CO3		✓			✓
	CO4	✓	✓	✓	✓	
Ordinary Differential Equations MTU 104	CO1	✓	✓			✓
	CO2			✓		✓
	CO3	✓	✓			
	CO4	✓	✓	✓		
Advanced Discrete Mathematics MTU 105	CO1	✓	✓		✓	✓
	CO2	✓		✓		✓
	CO3		✓			✓
	CO4	✓	✓	✓	✓	
Introduction to Probability MTU 106	CO1		✓			✓
	CO2	✓		✓		✓
	CO3	✓	✓			
	CO4	✓	✓	✓		

Indirect Assessment involves

- Qualitative method of obtaining the reflections of the stakeholders like Students, Alumni, Faculty, Employers, Parents and Experts on the *achievement of the program outcomes, through feedback mechanism.

- Course Exit Survey is conducted to assess the attainment of CO from the outgoing students etc.

PO/CO Display

- Flex on Entrance
- Prospectus
- Website
- E-Communication
- Planners

PO/CO Communication

- Admissions Counselling
- Zero Classes
- Induction Programme
- Classroom
- Seminars/Webinars

PO/CO Assessment	PO/CO Assessment	PO/CO Assessment
Feedback of Alumni Parents Employers	Progression	Classroom Performance
Feedback of Students	Placement	Laboratory Performance/Lab Reports
Performances: Cultural, Creative, Academic	Self Employment	Formative Assessment CCE Marks
Bloom's Taxanomy Levels	Start Ups	Project Reports and Marks
Course Exit Survey	Extension Activities	Summative Assessment Annual/Semester End University Exam Results