



Gokhale Education Society's

**Sir Dr. M.S. Gosavi College of
Pharmaceutical Education & Research, Nashik.**

Prin. T. A. Kulkarni Vidynagar, Nashik - 422005. (M.S.), India



Affiliated to SPPU, Pune & MSBTE, Mumbai • Approved by PCI, New Delhi and DTE, Mumbai • Recognized by Govt. of Maharashtra

An ISO 9001:2015 Certified Institute

Key Indicator – 2.6

Student Performance and Learning Outcomes

Metric No. 2.6.2

Attainment of POs and COs are evaluated

LINK FOR SUPPORTING DATA:

<https://msgpharma.org/wp-content/uploads/2023/05/2.6.2.1-Supporting-Document.pdf>

Course outcomes are prepared after considering the syllabus and verified by the Head of Department and approved by the Head of the Institute. Internal continuous assessment questions are mapped to COs, PEOs/PSOs and POs.

The course in-charge drafts CO-PO matrices, which are verified by the Head of Department and approved by the Head of the Institute. Theoretical values for a theory and practical course are obtained by specifying the course outcomes separately. PO 1 has high attainable value.

Correlation between external and internal exam scores is used to determine course outcome attainment.

Course outcomes and evaluation criteria are mapped to program outcomes to measure how well the program outcomes are achieved. CO-PO & PSO mapping is done by the Course in-charge and evaluated by head of the department. This is usually done in consultation with other senior faculty members who taught the same course earlier.

Methods of measuring the level of CO attainment

The students are evaluated through Internal and External examinations

The level of attainment of COs for both Internal and External examination is set for all courses on the scale of 0 to 03.

The **questions asked** in the internal/ continuous assessments are mapped with COs and POs of that particular subject.

The marks obtained by **each student in CIE and sessional examination**, of every course is mapped on the scale of 0 to 03 and **Report** is prepared and submitted to exam section by the faculty members

The **final course outcome attainment** is calculated by making correlation between attainment through External exam and internal examination based on their respective weightage as per pattern

Methods of measuring the level of PO attainment: The attainment of POs is measured by **Assessment process:**

The assessment tools are direct and indirect methods for evaluating the attainment of POs.

Direct methods:

Session examinations and internal assessment are conducted to focus on POs. Question papers are framed based on POs, and assignments are given for extension of syllabus. POs are categorized as professional core, basic subjects, and course outcomes are translated to POs. Data is gathered and POs are highlighted.

Indirect method:

Indirect methods: Surveys are conducted from two levels: alumni and exit survey.

Frequency of carrying out the process: Once in year

The POs are obtained from course outcomes, which composed a number of tools, semester end examination practical, MCQs, assignments, seminars etc., each one has suited uniquely to achieve POs. The evaluation is summative as well as formative (experience and appreciation, MCQs).