



SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Anantapur

NH – 18, Nandyal, Kurnool District, Andhra Pradesh - 518501

2.6.1: Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

Santhiram College of Pharmacy is affiliated to the JNT University and follows the syllabus /curriculum prescribed by the university & PCI. JNTU curriculum contains the core and elective courses. The curriculum is formulated and reviewed by the Board of Studies (BOS) of the University.

SRCN follows the process through which desired outcomes are achieved in terms of knowledge, skills, attitudes and behavior at the end of a program. Teaching with this consciousness and following the associated effort constitutes outcome-based education.

Program Outcomes (POs) are statements that describe what students are able to do after graduating from the respective program. These relate to the skills, knowledge, analytical ability, attitude, and behavior that students acquire throughout the program. National Board for Accreditation (NBA) has defined 11 POs for Pharmacy graduates focused on following Graduate attributes:

1. Pharmacy Knowledge
2. Planning Abilities
3. Planning Abilities
4. Modern tool usage
5. Leadership skills
6. Professional Identity
7. Pharmaceutical Ethics
8. Communication
9. The Pharmacist and society
10. Environment and sustainability
11. Life-long learning

Course Outcomes (COs) of a course are the statements describing what the student would be able to do after studying a course. SRCN is affiliated to JNTU and the syllabus is framed and



SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Anantapur

NH – 18, Nandyal, Kurnool District, Andhra Pradesh - 518501

disseminated by the university. The syllabus by the university specifies the Course objective and course outcomes for each course. If the COs specified in the syllabus does not cover the essential Bloom's taxonomy levels, the course instructor modifies the CO's through interventional mechanisms.

Program Specific Outcomes (PSOs) are a statement that describes what students are expected to know and be able to do in a specialized area of Pharmacy after graduation from a program. PSOs are framed for each program offered in the Institution.

Awareness of Program Outcomes (POs), Course Outcomes (COs) and Program Specific Outcomes (PSOs), among faculties and students in the Institute are done by:

- POs, COs and PSOs boards are displayed in the corridor of each department.
- POs, COs and PSOs are approved by the Department Advisory Board.
- POs COs and PSOs for each program are disseminated to the students by respective Department HoDs during Induction Program arranged by the institute for newly joined students.
- Pos, COs and PSOs for each program are made available to the students on the college website https://www.srcpnandyal.edu.in/CO'S_PO'S.php
- Students are made aware of POs, COs & PSOs, through the handbooks circulated among the students.
- The course instructor describes the relevance of POs, PSOs and COs to students during the beginning of each course. COs along with lesson plan are printed and issued to the students during the first class
- Students are encouraged to write POs, PSOs, and Course Outcomes in assignments given by the Course Instructors.
- Students are made aware of the COs of each Course by mentioning COs in the Internal Assessment question papers.

Evaluation and Attainment of COs, PSOs

The assessment methods and processes used for the attainment measure of each of the Program Outcomes and Program Specific Outcomes are as follows



SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Anantapur

NH – 18, Nandyal, Kurnool District, Andhra Pradesh - 518501

Assessment of COs / POs

- For each course, the course instructor will identify 5-6 course outcomes (CO) & these COs are mapped with relevant Program Outcome (PO) as high, medium & low.
- The consolidated matrix of CO-PO mapping is done for each program & the same for the CO-PSO mapping.
- The CO attainment levels can be measured based on the marks scored by the student in internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. As per the university norms two Internal assessment tests, and two assignment tests are conducted for each course in a semester.
- In each test, the percentage of students who achieve a set target for the COs is computed. After the two tests, the average of these percentages is computed to decide the attainment level.
- The Program Outcomes and the Program Specific Outcomes are assessed with the support of Course Outcomes of the relevant courses through direct and indirect methods.
- Average attainment of the direct method will be evaluated based on University Examination, Internal assessment, and Assignment
- Indirect assessment strategies are implemented by embedding them in the Student Exit Survey, Employer Survey, and Alumni Survey.
- $PO \text{ Attainment } (\%) = (\text{weightage: } 80\%) \times (\text{Average attainment (direct method)}) + (\text{weightage: } 20\%) \times (\text{Average attainment (indirect method)})$
- The attainment of CO for each course is recorded & maintained in an excel sheet and attached in Course file.
- By considering CO-PO mapping for each course, final PO attainment is recorded & the data is maintained.

The methods which are used to assess the CO/PO are given below.

- At the end of the semester, the university will conduct examinations & based on the results of the university COs and POs are measured. For each course, assignments are given to students and they are part of Continuous Internal Evaluation (CIE). The



SANTHIRAM COLLEGE OF PHARMACY

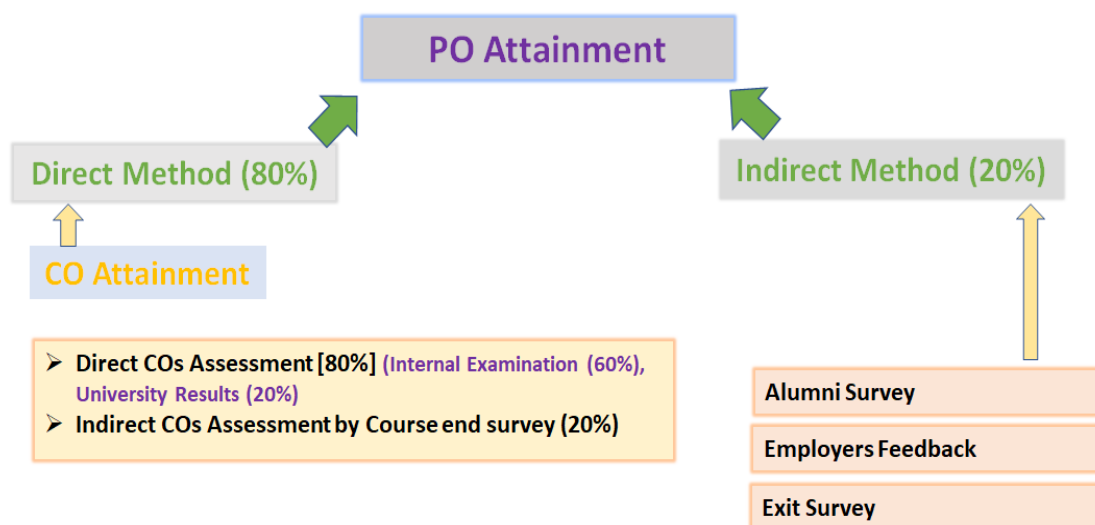
Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Anantapur

NH – 18, Nandyal, Kurnool District, Andhra Pradesh - 518501

performance of students in two IA tests is considered to evaluate whether COs are achieved or not.

- An alumni survey is done to find out the level of relevance of the curriculum with the expected skills of the industries.
- Employer surveys are conducted for finding out whether the knowledge, skill, and attitude acquired from the institution is adequately satisfying their expectation or not.
- Student Exit survey is done to understand the impact of classroom learning, various value added courses offered, pre-placement training imparted to them on their overall development.

Attainment of POs & COs calculated by the institution



The target thus set for the attainment of POs, PSOs and COs are discussed in the Academic Planning and Implementation Committee, at HODs meeting and also various steps and efforts to be taken to increase the target level for the attainment of POs, and Cos are planned accordingly.