

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The Course Outcomes are achieved by the course faculty members teaching the same course.

B.T. Institute of Excellence, Sagar is affiliated to Dr. Hari Singh Gour Vishwavidyalaya, Sagar (DHSGU). Thus in BTIE College the PO/COs are as given by the affiliating university.

The POs/COs of the programs are displayed on college notice board and staff-rooms and uploaded on college website. In all the interactions with the students, awareness on POs, PSOs and COs is consistently promoted.

While addressing the students, the HoDs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors also inform the students and create awareness, and emphasize the need to attain the outcomes.

Assessment is done by both direct and indirect methods. The process of course outcome assessment by direct method is based on mid semester I, II examinations, and, end semester examination, project & practical's.

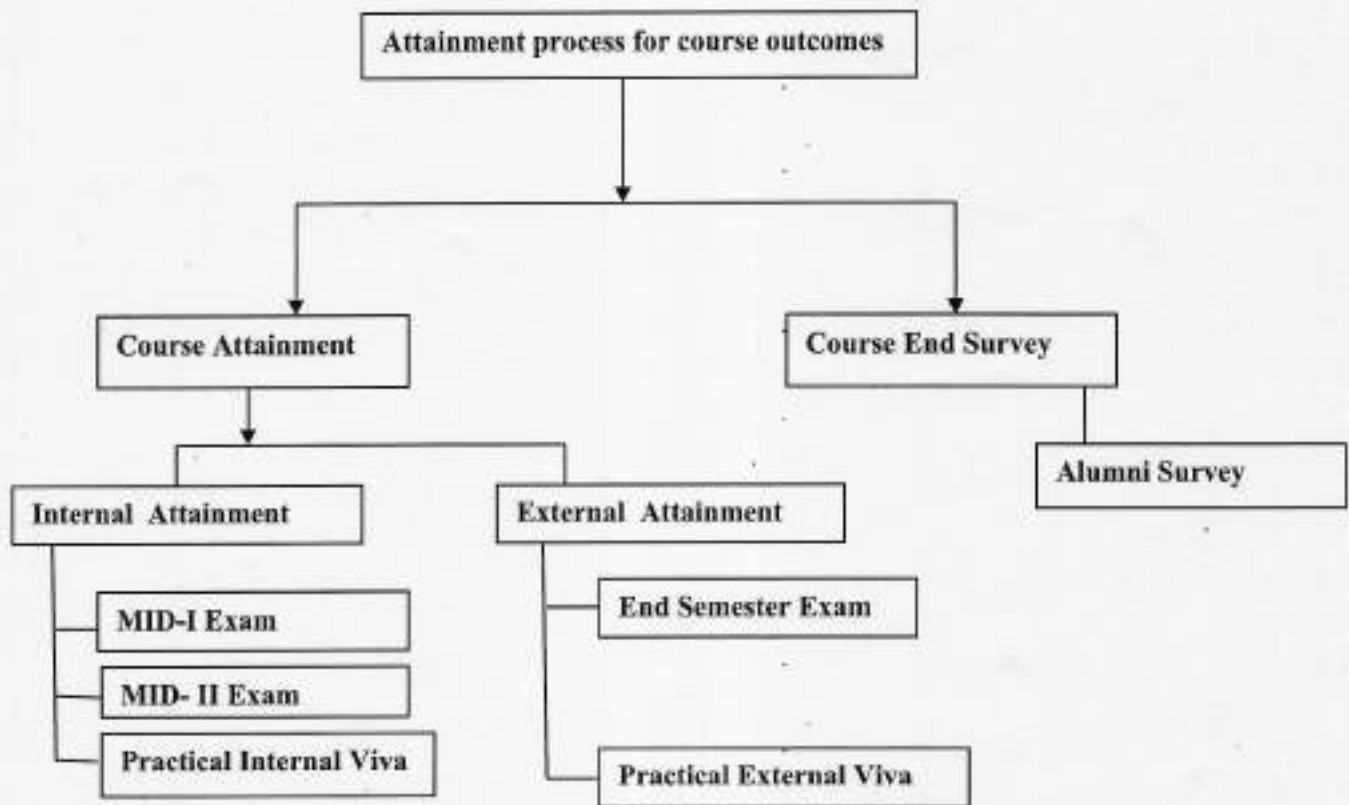
1. **Mid Semester I and II Examinations** are conducted in a semester and each of them covers the evaluation of all the relevant COs attainment.
2. **Semester End Examination** is descriptive, and a metric for assessing whether all the COs are attained.

Attainment of Program Outcomes and Program Specific Outcomes as per NEP-2020.

All the courses which contribute to the PO are identified and these courses are evaluated through the Course Outcomes for both UG and PG Programs according to NEP-2020 using Direct method (Internal (MID-1-20% weightage & MID-II-



20% weightage) and End Semester exam (60% weightage) and indirect (Course end survey) assessments. The overall results from the assessments of the PO are compared with the affiliated university.



Indirect method:

At college level evaluation of attainment of program outcomes (PO), programme specific outcomes (PSO) and Course outcomes (CO) is done through indirect method like collecting feedback from the students, parents and alumni during their meet.

For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course faculty takes necessary steps for improvement. If the target criterion level is not reached, then faculty suggest for improvement to attain the same.



Average pass percentage of students

Total number of final year students who passed the examination conducted by institution: **344**. Total number of final year students who appeared for the examination: **405**. Average Pass Percentage: **84.9%**.

Qualification Type and Credit Requirements Qualifications are formal 'awards' such as, Certificate or a Degree, awarded by the affiliating university in recognition of the attainment by students of the expected learning outcomes on the successful completion of a particular program. These are awarded after an assessment and evaluation of learning levels conducted by a competent body that determines the achievement of the students of the expected learning outcomes.

Proposed Course Structure of the Academic Program with Multiple Entry and Multiple Exit Framework as per the UGC Guidelines & NEP-2022.

Learning requires cognitive skills and a logical paradigm. The process of learning should ideally weigh on "how to think" more than "what to think". Our courses cater to students' abilities to foster critical thinking and a sense of inquisitiveness, leading to the assimilation and analysis and forming ideas thereafter.

The modern market demands individuals who can work smartly and deliver maximum output. The way our courses shape the students up, they will most certainly be the forerunners for success in the market today.

Our institution evaluates course outcomes on certain markers which are as under-

Whether they enable the students to think in an advanced manner in their concerned discipline?

- Whether they augment the cognitive skills and logical paradigm of the students?
- Whether they enable the students to serve the society?
- Whether they enhance the independent thinking, decision making and leadership qualities in the students?
- Whether they prepare students for collaborative working?



- Whether they enhance the interpersonal and communication skills of students?
- Whether they help to develop a mindset of growth and adaptability in the students?
- Whether they engage students in co-curricular activities like students seminars, presentations, quizzes etc.?

Projects are also assigned to the students. It is a comprehensive assessment that encourages students to apply their knowledge and skills to complete a significant task or solve a real-world problem. Since projects often require students to analyze data, develop solutions, and present their findings or deliverables. Projects allow students to showcase their creativity, critical thinking, communication, and project management skills.

Home Assignments are given to assess student's analytical and problem-solving abilities, assigning course-related tasks and evaluating performance. Grades are based on innovation in problem-solving.

Presentation metrics assess students' communication and subject knowledge, while seminars cover current topics or in-depth core courses, ensuring students understanding and engagement.

End-semester examinations (theory and practical) are used to assess COs, using descriptive questions. End Semester Examinations focus more on attainment of all COs and use descriptive questions.

Vision

To emerge as an Institute of Excellence in higher learning, imparting value-based education in line with global standards.

Mission

- To provide quality education at affordable cost.
- To inculcate the Indian heritage and culture and to instill moral values of life in the minds of the youth.
- To promote leadership qualities and to develop entrepreneurial skills among the students.
- To extend the services of the institution for the betterment of the society.



PROGRAMME OUTCOMES (PO)

Program Outcomes (PO) are the Knowledge, Skills and Attitude, students should possess during graduation.

IMPORTANT FOR FACULTY TO KNOW THE POs

The POs are important as a guideline when developing or revising the course outcomes. Knowing the POs helps the faculty in designing the appropriate delivery and assessment methods.

COs are the statements of Knowledge/Skills/ Attitude that students are expected to know, understand and perform, as a result from their learning experiences.

RELATION BETWEEN POs AND COs

The COs are mapped to at least one of the POs. When designing the COs, faculty handling the course should map their COs to the appropriate POs in order to ensure that all POs are delivered throughout the period of study.

WELL WRITTEN Cos

Well written COs facilitates the faculty in measuring the achievement of the COs at the end of the semester. It also helps the faculty in designing suitable delivery and assessment methods to achieve the designed COs.

POS, PSO and COS are adopted by the college as provided with the affiliated university.

Examination Process involve each program to have following procedure:

- Beginning of the Semester
- Orientation program for the New Admission.
- Conduct of First MID SEMESTER EXAMINATION (Internal).
- Conduct of Second MID SEMESTER EXAMINATION (Internal).
- Conduct of END SEMESTER EXAMINATION (Affiliating University).



For each Learning Outcome, the course delivery are to be planned in the following manner:

1. Content of delivery
2. Development and usage of ICT tool methods (Teaching Aids and Teaching Methods) and
3. The assessment frequency

After conducting each assessment, during the Semester, an analysis report should be filled in the FRB Record. Attendance of the students is maintained for the course delivery.

Special Academic Activities are organized based on the course contents. Counseling report is maintained for the students showing the performance below the expected percentage (<75%).

At the end of the Semester, the FRB book is evaluated by Program Coordinator to analyze the effectiveness of teaching and learning activities (that have been conducted).

Identify whether the content delivery and assessment methods conducted throughout the semester is aligned with the teaching plan constructed at the beginning of the semester.

ADVANCE AND SLOW LEARNERS

Our Institute implements the practice of categorizing students into advance learners and slow learners in all the departments of the College, on the basis of their performance in internal and external examinations. As students comes from diversified backgrounds and they face different problems and to cater their needs, BTIE College has started the practice of Advance and Slow Learners.

Students scoring $+>75\%$ are covered under the category of Advance Learners, whereas students scoring $\leq 60\%$ falls under the category of Slow Learners.



Classes for advance and Slow Learners are conducted in college premises but out of regular college time table.

For advance learners Quiz Competition, Seminars, Group Discussion and Essay Writing competitions are conducted among different groups of students of Advance Learners platform.

For Slow Learners, special classes are conducted in addition to college regular time table as Remedial classes for improvement. Two test series are planned to give them practice of Mid Semester and End Semester Examination. Separate sets of notes are also provided to students along with practice questions and question bank of affiliating university examination's previous year's examinations.

