



**Dr. Madhukarrao Wasnik**  
**P.W.S. Arts, Commerce & Science College**  
**Nagpur-26**

**2.6.2: Attainment of POs and COs are evaluated**

Learning outcome of the various programme run in the college are measured and evaluated time to time throughout the session. The process of evaluation begins with the classroom level initiatives by teachers like unit tests, assignments, quiz, group learning projects, viva-voce, etc. in order to assess the programme outcomes and programme specific outcomes attained by students.

For the post Graduate and Doctoral Programme students research paper presentations and seminar is compulsory and publication of quality paper is mandatory. The student's responses to these activities reflects the workability of programme planning and curriculum.

**Some of the key indicators of measuring attainment are:**

**Direct Method of Measuring Attainment of POs and COs:**

**Internal Assessments:**

The internal assessment is based on Assignments and viva –voce which covers 20% of weightage of the total marks in each semester. The other elements to assess the students to ensure the delivery of knowledge for learning outcomes is done through Project work, Unit tests, Group Activity, attendance, etc

**Students Project Works:**

In Post graduate courses most of the students take up Project works under the guidance of Subject Professor. The students apply the knowledge they learned in the subject theories through the semester in the Project problem. The students are guided for the suitable methods and a final report is prepared in group or as an individual to be submitted to the department which is being evaluated for the internal incentive marks to the students. The ability of a students to work in the project reflects his knowledge gained through the programme, which reflects the workability and the relevance of the course contents.

### **End Semester Examination:**

The end semester is conducted by RTM Nagpur university which covers 80% of marks out of total. The examination is based on the programme curriculum designed by the RTM Nagpur university. The college ensured the proper delivery of course through its various teaching learning -measures. The end semester examination helps in measuring the course attainment of the level required for the programme.

### **Results Analysis:**

The results of the semester has been gathered by the each department and analysis of the same is done to ensure the end objective. The IQAC of the college gathers data of result analysis from the each department. The IQAC also called meetings wherein proper delivery of teaching learning is evaluated and passed some suggestions to the teachers to ensure the results of the end semester examination.

### **Research Paper Presentation & Publication of Papers for PG & Ph. D. Scholars:**

Research paper presentation for PG students and Research scholars is mandatory. Student's seminar are organized in both the semester. A separate seminar is organized for Ph. D. Students by the Research cell. The ability to write research paper and skills to read the paper in the seminar and also participated in the research discussion is the real outcome of the programme. The students participated in subject based seminars show enough knowledge.

The research paper presentation and paper writing for journal is always based on the scholar's area of research. The scholar prepare his paper for both the purpose, reflects his subject knowledge he learned in the programme taught in the college. Students also participated in the seminar organized on high level like National and International within the country.

### **Promotion to Higher Education and Placements:**

College students significantly entered in higher education within the college run courses and courses in the national and international level. Couple of students of college are learning in international universities like University of Leeds and University in Canada. Every year college students joins public and private employments which reflect the workability and relevance of the courses run in the college.

## **Indirect Method of Measuring Attainment of POs and COs:**

### **Students Feedback:**

Student's feedback in the day to day classroom is the highly adopted by the teachers. Many of the college teachers are in university bodies related to the curriculum frameworks, therefore, changes required in the particular subject is communicated to the board which is being always received well. The overall feedback and students satisfaction survey is annually conducted by the feedback committee to assess the college facilities and teaching learning process. The feedback of the mostly received in the requirements of facilities and not in any problem in the courses or programme run in the college. Some students demands some additional courses which are not available with us. But existing courses proved with the outcome expected.