

Sant Gadge Baba Amravati University, Amravati

Department of Chemistry

KI 2.6.2 :Attainment of Course Outcomes and Program Outcomes

The attainment of POs, COs, PSOs are observed through continuous evaluation of students in theory class and laboratory, internal examinations, assignments, problem solving skills, development of research skills and comprehensive viva-voce. In process of continuous evaluation of practical courses, each and every experiment performed by student is evaluated for his/her pre-lab preparation, maintenance of factual record, and lab report and marks was awarded. The attainment is ensured by instructing students to perform the experiment repeatedly till they obtain desired result. Project is a compulsory component of our course and monitored by faculty to develop research skills. Most of the doctoral students are working at various national institutes, colleges/universities and R&D of industries. Seminar is an integral part of the course to inculcate presentation skill and imbibe confidence among the students which help them to get jobs in colleges and schools. Faculty members are regularly using modern tool of teaching and also encourage students to use internet facility, ICT and provide them licensed software for advanced computing training. Regular monitoring of students attendance in classes and participation of students in interactions and overall performance measured by teacher. The high percent of students attendance in class increases the chance of attainment of POs, COs, and PSOs. Through outreach program of the central library we provide them information about maximum utilization of library resources and advanced research database. Further, course outcome will be attained by motivating students for self-regulated learning by providing e-books, books, notes and tutorials.

The attainment of COs and POs are reflected through the average of last five years high pass percentage (87.5) of students with first class (77.5) in which 9.5 % with distinction and regular merit ranking in University examination. Attainment is also reflected by number of students passed in national/state level examinations such as NET/SET/GATE. In order to attain, students are encouraged to participate in summer schools, workshops and conferences and other discipline related activities such as Avishkar, National Science Day, Seminar Completions, etc. Beside program outcome, attainment in organizational skill, leadership quality and working in team is can be observed in the participation of almost all students in curricular, co-curricular and extra-curricular activities conducted under the aegis of departmental chemical society forum by the students & for the students.

Annexure-I

In order to make internal assessment more credible objective, and transparent, which promotes creativity, regularity, discipline, and learning tendency among the students, the department has decided to adopt the following criteria:

Maximum marks 20		
Maximum 10 marks	Maximum 5 marks	Maximum 5 marks
Tests	Attendance	Staff assessment
<p>There shall be minimum two tests in each semester.</p> <p>The best performance shall be considered for internal assessment.</p> <p>Question pattern: The two tests each shall consist of</p> <ol style="list-style-type: none"> 10 multiple choice questions carrying 1/2 mark each. (Total 5) <p style="text-align: center;">Or</p> <ol style="list-style-type: none"> 10 fill in the blanks questions carrying 1/2 mark each (Total 5) And 5 descriptive questions on concepts carrying 1 mark each (total 5) 	<p>Maximum 5 marks shall contribute in internal assessment due to attendance in the respective paper in each semester. The marks according to the % of attendance shall be awarded as under: -</p> <p>5 marks for $\geq 85\%$ 4 marks for $\geq 75\% & < 85\%$ 3 marks for $\geq 70\% & < 75\%$ 2 marks for $\geq 65\% & < 70\%$ 1 mark for $\geq 60\% & < 65\%$ 0 mark for $< 60\%$</p>	<p>The staff assessment shall be based on the following five parameters of one mark each:</p> <ol style="list-style-type: none"> 1. Whether student submits assignments. 2. Whether the student arrives in the class on time. 3. Whether the student asks questions. 4. Whether the student participates in departmental seminar and submits seminar scripts 5. Whether the student posts in the ChemVision Wall Magazine.
-Or-	Note:	-Or-
<p>In case if a student participate in AVISKAR, ASHWAMEGH, National Science Day, Inter-collegiate Seminar Competition AND wins prizes or ranked then marks distribution in the paper (related to the topic) shall be as under: -</p> <p>10 marks: 1st Prize/Rank 08 marks: 2nd Prize/Rank 06 marks: 3rd Prize/Rank 05 marks: for participation in the above completion(s).</p>	<p>On the day(s) of participation in AVISKAR, ASHWAMEGH, National Science Day, Inter-collegiate Seminar Competition, the student shall be treated as present in the class for the purpose of counting of attendance only.</p>	<p>Overall understanding/ knowledge of subject paper</p> <p>5 marks : Outstanding 4 marks : Excellent 3 marks : Very Good 2 marks : Good 1 marks : Satisfactory 0 marks: Not Satisfactory (the assessment must be consistent with the marks obtained in previous external theory examinations)</p>