Sant Gadge Baba Amravati University, Amravati

Department of Computer Science & Engg

KI 2.6.2 :

Attainments

Post Graduate Department of Computer Science （PGDCS) :

Post Graduate Department of Computer Science and Engg., Sant Gadge Baba Amravati University, amravati with well-defined and well directed Programme Outcomes, Programme Specific outcomes and Course Outcomes for the one year post graduate Diploma in Computer Science i.e. PGDCS.. The outcomes of such programmes are evaluated mainly by the academic excellence of students. The programme outcomes (PO) can be measured in terms of achievements of students in the examinations. High success rate of students in the various examinations gives a clear picture of the quality of the UG Programme. The rate of enrolment to higher education ie to MCA and PhD, placements, awards and recognitions received by the students during and after the academic periods are also good tools for measuring Programme. A satisfied alumni also indicates that the programme offered meets national/international standards. The programme specific outcomes (PSO) may be evaluated on the basis of the performance of students in the national and international level tests and competitions. The performance in Interviews and placement obtained gives a clear picture of knowledge of students who have completed successfully the UG programme in Computer Science. Above all the happiness and positive feedback of the alumni testifies the achievement of the programme specific outcomes.

The timely measurement and revision of the courses offered in the programme is very important in the development of a good curriculum. Achievement of course outcome can be measured by conducting test papers, surprise examinations, problem solving sessions and Common Test papers, seminars and assignments. It can also be evaluated from the performance of the students in the practical and laboratory sessions. The knowledge level of students are tested with viva-voice, project work and by testing their communication skills. The qualities of the courses are updated by revising the curriculum periodically.

Master of Computer Application (MCA):

The outcomes of the above mentioned programmes are evaluated by taking into consideration of many aspects which are integral to academic excellence. The programme outcomes can be measured in terms of achievements of students in university examinations, rate of enrolment to higher education by the students, overall pass percentage, placement and awards and recognitions received by the students during and after the academic tenure. Similarly, the programme specific outcomes may be evaluated on the basis of the performance of students in the national and international level tests, This was testified by the increased rate of qualifiers in various national level examinations such as GATE, NET, JRF, and many other similar examinations of national repute, the career options they have secured, the specialization they achieved, the broader information they collected about the subject and finally the participatory learning they experienced through the six months Industrial Project. Hence, it is significant to consider all those factors and methods to define the success of the

specific outcomes. Besides it, the course outcomes also needed to be evaluated. It can be carried out by conducting various tests, seminars,projects and assignments. It also can be evaluated from group discussions organized by the students and their presentation of papers. The development and accumulation of soft skills and social skills are also true and fair indicators of the success of the courses. Based on the knowledge and the skill acquired, experience of handling various tools and softwares, different simulators help them to start their own Startups.

Master of Engineering (ME-CSIT) :

Depending on the performance of each student and the innovative practices of the departments that have high learning outcomes are shared, so as to motivate the other departments to achieve academic excellence in skills and Research.
 The department collects data on student learning outcomes in different ways. Comprehensive student feedback is collected in every academic year. An assessment of achievements of program outcome is done using the feedback collected from the outgoing students at the end of the course. Most students who opt for higher education also provide feedback that reflects on their previous learning environment to provide a critical analysis of the learning outcome of each course. These feedbacks serve as a genuine opinion of the students covering learning objectives. Feedback from parents is also collected informally in the department. Feedbacks from alumni are also collected and analyzed. This mechanism ensures quality and becomes a commendable practice and an active tool in evaluating the learning outcome. The teaching methodologies and assessment strategies focus on competency based education. The learning outcome of every course is disseminated through the syllabus which is scientifically designed through discussions and workshops by experts from various institutions. Continuous assessment through sessional evaluation, assignments and seminars provides an opportunity for the faculty, students and parents to critically evaluate the learning outcome. Dissertation work carried out by the students helps the students to create, design, innovate and implement the new concept through research. Research paper preparation, presentation ultimately satisfy the PSO.

Independent as well as group projects are assigned for each batch. The performance of students in seminars, assignments and project works given to them in challenging areas depending upon the varied learning needs of students is also a direct measure of achievement of course outcome.

Master of Science (MSc Computer Science):

As per Bloom's Taxonomy the academic leadership and Teamwork is embibe in the students in order to promote higher forms of thinking in education, such as analyzing and evaluating concepts, processes, procedures, and principles, rather than just remembering facts. It is most often used when designing the new concepts, innovating the new projects, and running the Startups. Ultimately making the new generations self sufficient. For socially deprived students as well as specially abled persons remedial measures are suggested by engaging them with more attention.
The Programme Outcomes of MSc. Programme are to provide judicious mix of skills relating to a profession and appropriate content of Core knowledge, to ensure that the students have adequate knowledge and skills, so that they are work ready at exit point of the programme, Seminar and projects enhances employability of the graduates and meet industry requirements . Such graduates apart from meeting the needs of local and national industry are

also expected to be equipped to become part of the global workforce. The outcome attainment levels are measured by conducting various examinations such as unit tests, viva-voce, practical examination, Term end examination, at the end of each semester. Programme specific outcome attainment levels are measured by conducting industrial training, visits, internship and project works. Attainment levels of course outcome are measured by conducting regular internal examinations, Assignments and viva voce etc.