Curriculum Design and Development

The curriculum design & development in imparting quality education is unsurmountable. Systematic & meticulous curriculum design is the first step towards quality education. This has been the motto of the university right from the start. This is evident from the fact that the university implemented learning outcome-based curriculum framework in 2018 itself and is further enriched & updated through the analysis of feedback obtained from the stakeholders, especially the learners.

The curriculum is designed to cater to the local/national/ regional/global developmental needs. To identify the needs, feedback from the stakeholders like students, parents, employers, teachers and alumni is sought through interaction, field study, expert opinions, industry-academia interface meetings, and the alumni feedback and analysed. The curriculum of Central University has the following characteristics: 1. It is updated every year. 2. It includes interdisciplinary and multidisciplinary and value-added courses. 3. Local/national/regional and global relevance is identified every year. 4. Flexibility in selecting discipline electives by offering a good number of courses is given. 5. The course structure ensures the guidelines of the CBCS system. 6. It offers a variety in offering types of courses. 7. No. of hours for each unit are well distributed as per norms of UGC. 8. References are updated every year.

The university designs a template depicting credit distribution specific to the disciplines and type of courses. The structure of each program is so designed to ensure distribution of credits in consonance with the type & content of the course.

The learning outcomes are defined for all the programs and courses thereon by the Departmental Curriculum Development Committees (CDC). Thereafter the approval is sought from the Board of Studies, School Board and Academic Council. The course-wise learning outcomes are designed in such a way as to reflect the outcomes of the programme. The unit-wise distribution of teaching hours is planned according to the credits of the courses. Annual updation of contents of the curriculum *vis-a-vis* latest developments are carried out & the web references and other

suggested readings are provided accordingly. The university focuses on learner centered pedagogy with special emphasis on experiential, self-directed, co-operative and collaborative techniques, both ICT and non-ICT based. Evaluation criteria is prepared for different types of courses like theory, skill-based, IDC, Value based, practical, dissertation, internship and field trip. The learning outcomes of each course are assessed through continuous evaluation system which includes surprise tests, term papers, mid- and end-semester tests. Web sources/web links are also provided in the curriculum so that the students can access them easily. The curriculum for all the programs of the University is harmonious and audited every year through curriculum audits conducted by the IQAC.

The Programme Outcomes are incorporated in the curriculum of every programme and the graduate attributes are stated in the curriculum for all the programmes and displayed on the University website (http://www.cup.edu.in/syllabi.php). The learning outcomes for each course are so designed that the mastery of specific aspects pertaining to the course material is accomplished. It is ensured that programme learning outcomes/ graduate attributes, the course learning outcomes and course content match with each other. When curriculum audit is conducted, the programme outcomes are evaluated during that time.

The University has developed learning outcomes for different courses of the programmes taking into consideration the nature, aim and goals of each programme and discussions with various stakeholders such as academicians, industries, students, parents etc. The programme outcomes and course outcomes primarily aim at imparting content knowledge, developing understanding, competence, skills, communication, personality etc.

The programmes offered by the University cater to multiple interests and needs of the students from different states and around the globe. The effectiveness of any programme and course depends upon the statement of Programme and course learning outcomes. There is also an emphasis on holistic development of the students in the curriculum as the learning outcomes also focus on imparting values, morals and ethics.

Every Department prepares their Curriculum with details such as Programme Outcomes/ Graduate attributes, Course Outcomes, Content, transaction modes, assessment, reference material, total number of teaching hours and total credits for the course at the beginning of every academic year. The transaction modes for every course are in alignment with the learning outcomes of the course. The pedagogical tools and evaluation tools used in every course are also designed with respect to the learning outcomes. The assessment of the students enrolled in every programme is done based on the course learning outcomes in order to verify the attainment of learning outcomes. The Curriculum Development Committee (CDC) of every department revise the curriculum based on the feedback from students and various stakeholders. Once the curriculum is finalised and approved by statutory bodies, it is uploaded on the University website.

Now, the efforts will be made to provide training to implement digital pedagogy and digital evaluation tools. Digital creative tools are being included in the curriculum to meet the challenge of digital era. Teaching through robotics, gamification, cooperative and collaborative approaches are being included in the present curriculum.