

Executive Summary

Criterion 1: Curricular Aspects

HBTU, Kanpur caters to the needs of industry and the society by continuously updating its curriculum in order to keep pace with rapid changes in the technology. The aim of the Curriculum Design and Development is to fulfill local, national, regional and global developmental needs. Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) of each course is meticulously stated and they are aligned to the vision and mission of the University. Proposed program curriculum is thoroughly discussed in the meeting of Board of Studies (BoS) of the Department comprising of all faculty members, external domain experts and the representatives of the alumni / students. Finally, this program curriculum is sent to the Academic Council of the University for approval. While revising the program curriculum, focus on employability / entrepreneurship / skill development of the students is given due importance. The Choice Based Credit System (CBCS) / Elective Course System was introduced in the erstwhile Institute to allow students to choose courses from a basket of courses as per his / her choice and requirements. This basket is not limited to the courses listed in the syllabus whereas the students are free to choose courses from open online platforms such as NPTEL, MOOCs etc. after due approval from competent authority. Courses on professional ethics, human values and environment are included in each program to inculcate professional traits at work place. Due weightage is accorded to the field projects / research projects / internships and value added courses for imparting knowledge, skill and real life problem solving ability.

One of the Mission statements of the University reads ‘serving people, society and nation with utmost professionalism, values and ethics to make development sustainable and quality of life.’ This in itself is indicator that the University values very highly on cross cutting issues relevant to professional ethics, values and gender issues. All B.Tech. students are offered few audit courses namely Indian Constitution, Environment and Ecology and Cyber Security to address cross cutting issues relevant to professional ethics, gender, human values, environment and sustainability in curriculum.

A feedback mechanism has been devised to include the views of all the stakeholders (students, teachers, employers, alumni etc.) on curriculum design and development. This feedback is analyzed and appropriate action is taken to improve the syllabus. All the inputs are put before the BoS and semester wise course structure, evaluation scheme, Lecture-Tutorial-Practical (L-T-P) credits and syllabi of courses of a program are finalized after due deliberations.