Outcome Based Education @ CHARUSAT

CHARUSAT has aligned teaching-learning methodology with the outcome-based education (OBE) approach. Attainment of Program Outcome (POs), Program Specific Outcome (PSOs), and Course Outcome (COs) constitute an integral part of teaching-learning process at the institutes. The attainments are also indicative of the effectiveness of academic activities. OBE is implemented as per the steps mentioned below:

Step 1: Defining Program Outcomes (PO) and Program Specific Outcomes (PSO)

POs and PSOs of the program are evolved by considering the vision and mission of the university and the institutes. PSOs are formulated by considering the characteristic and deliverables of the programs.

Step 2: Defining Target level of each POs and PSOs

Department defines target level of each POs and PSOs on the scale of 0-3.

Step 3: Defining Course Outcomes

The Course Outcomes are drafted by considering the action verbs of learning level suggested by Bloom and Anderson. Training is conducted at regular interval to train faculty members to draft COs. The COs are specific, measurable, attainable, realistic and time bound.

Step 4: Preparing Course Articulation matrix which maps each course with appropriate POs and PSOs

The correlation between COs and POs & PSOs are established on the scale of 0-3, where 0 being not applicable, 1 being slight (low), 2 being moderate (medium) and 3 being substantial (High). Course Articulation Matrix shows the educational relationship between Course Outcomes and Program Outcomes for a Course.

Step 5: Attainment of COs

The attainment levels are set for all the courses of respective programs. Attainment is measured in terms of actual percentage of students getting set percentage of marks in direct as well as indirect assessment. Attainment levels along with percentage range of students scoring more than set (target) value are presented in below:

Level 1- 50% student scored above 60%

Level 2- 60% student scored above 60%

Level 3- 70% student scored above 60%

Step 6: Analysis and action taken based on calculated attainment level and targeted attainment level