Content Beyond Syllabus

Meetings with subject experts and HOD are arranged course wise for corrective actions to be taken to bridge the identified curriculum gaps. The decisions related to prerequisites and content beyond syllabus are taken during meetings.

Identified prerequisites and content beyond syllabus are included in lesson plan of each course. Respective subject teacher or experts from industry covers contents of prerequisites & content beyond syllabus in expert talk. Seminars, Expert talks and workshops are conducted to fulfill gap requirements. These value addition courses, activities, trainings, certification courses, Industrial Visits, labs, mini, major project developments, curricular & extracurricular activities helps to attain particular POs of the program to a higher level.

Following methods are used for the delivery of the contents beyond syllabus for the attainment of POs and PSOsof the courses for every program.

- Class-room Teaching
- Additional Laboratory experiments
- Case studies
- Project Development
- Guest Lectures/workshop/Seminar
- Industry visit
- Internships
- Pre placement training
- Training on Soft skills
- Online certification courses (spoken tutorial)

Along with all these activities various active professional body chapters, student cells, student committees like CSI, IEEE, ISTE, CESA, ITSA, NSS & Student Council organizes programs throughout the year for meeting gap in curriculum.

Following table provides the justification for CBS delivery:

Delivery of Content Beyond Syllabus	Justification
Class Room Teaching	- Delivery of the contents of the topic which is beyond syllabus is done in the class room with black board or Multimedia presentations which is the best method when the contents are theoretical and informative. - In addition, the faculty members conduct pre requisite tests of the subject so that he/she can identify weak students and knowledge level of the students before start of the teaching. Faculty delivers the information of concept with examples effectively so that student can get the knowledge and related practical concepts, application etc.

Additional Laboratory Experiments	Topics which are important and not the part of lab experiments suchadditional experiments are conducted to enhance the knowledge.
Case Studies	Group of students are given a advanced topic. They discuss on the topicand prepare a document.
Project Development	• Societal, environmental, need based and real time application based projects are carried out by the students under the guidance by faculty. • The Department has software development cell which provides platform forstudents to work on real time projects.
Workshops / Seminars /Guest Lectures	Various workshops, seminars, Expert talks by academicians/industrialists on different technologies are organized to gain the knowledge and the attainment of POs and PSOs.
Industrial Visits / Tours	Visit to the large or small scale industries are organized for the students tobridge the gap.
Internships	TPO cell provides opportunity for in-house & outhouse internships to the students on real time projects, need based projects.
Pre-placement Trainings	Training sessions are organized to groom students for aptitude tests, interviewsand overall development of students
Training on Soft Skills	Guest lectured are organized to enhance students soft skills
Online Certification courses	Students and faculty members are actively participating in NPTEL & Spoken Tutorial by IITB onlinecourses.
Extra-Curricular Activities	Students and faculty members are actively involved in many extra co-curricular activities like NSS, Cultural Festival, Technical Festival-TANTRA etc.

COMPUTER ENGINEERING PROGRAM FOLLOWS CURRICULUM SPECIFIED BY UNIVERSITY OF MUMBAI

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THE SUBJECT EXPERTS IDENTIFIES THE CURRICULUM GAP FOR THEIR SUBJECT AND INFORM TO HOD

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HOD ARRANGES THE MEETING WITH DAB MEMBERS, ALUMINI, AND INDUSTRY EXPERTS TO DISCUSS THE IDENTIFIED GAPS.

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THE IDENTIFIED GAPS INFORMED TO BOS MEMBERS FOR CONSIDERATION WHILE UPDATING SYLLABUS

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RESPECTIVE FACULTY MEMBER ARRANGE EXPERT TALK, SEMINARS, WORKSHOPS TO FULFILL THE GAPS & CONTENT BEYOND SYLLABUS

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MAPPING OF ACTIVITIES WITH PO's AND PSO's IS DONE TO FULFILL THE IDENTIFIED GAPS