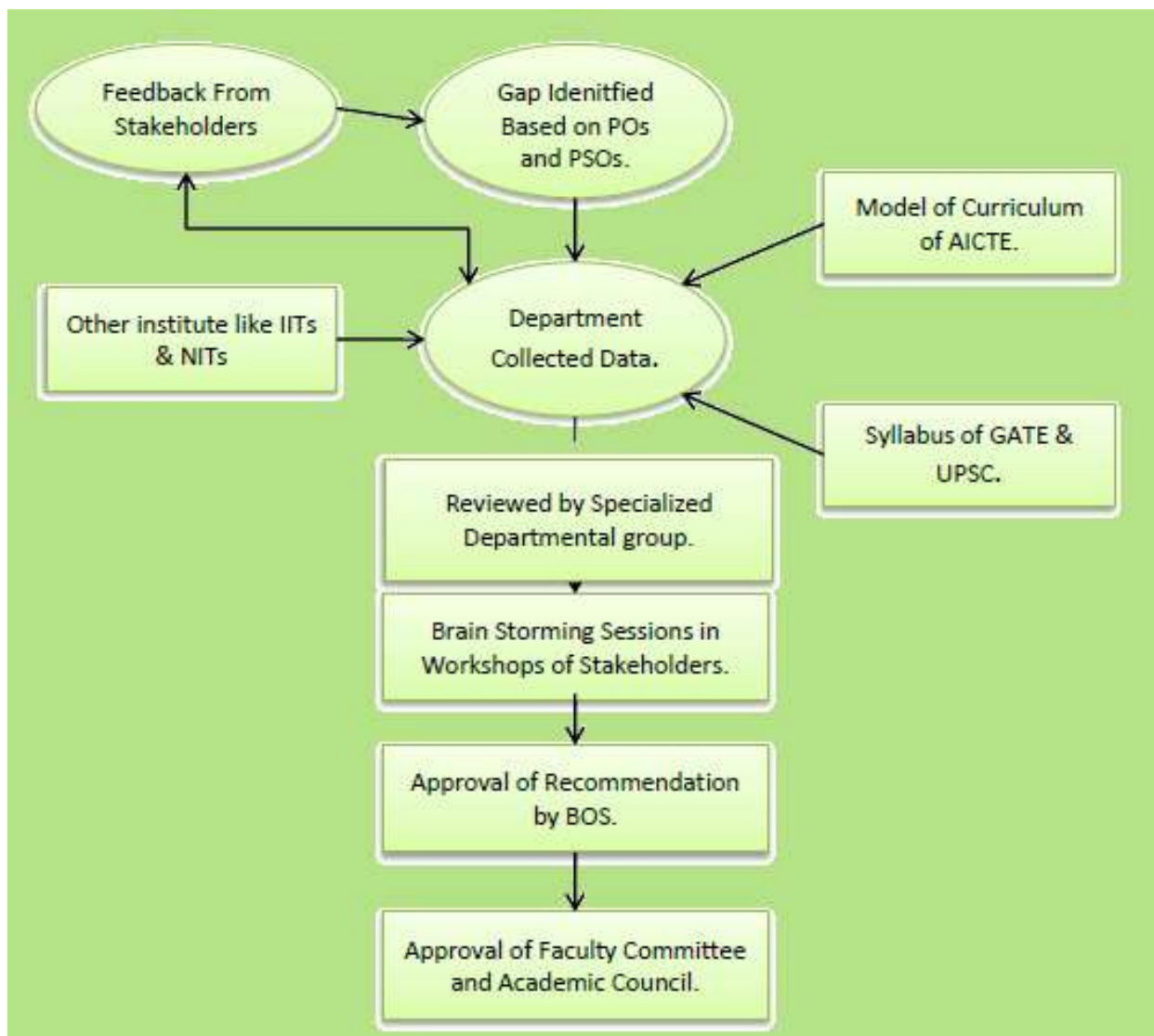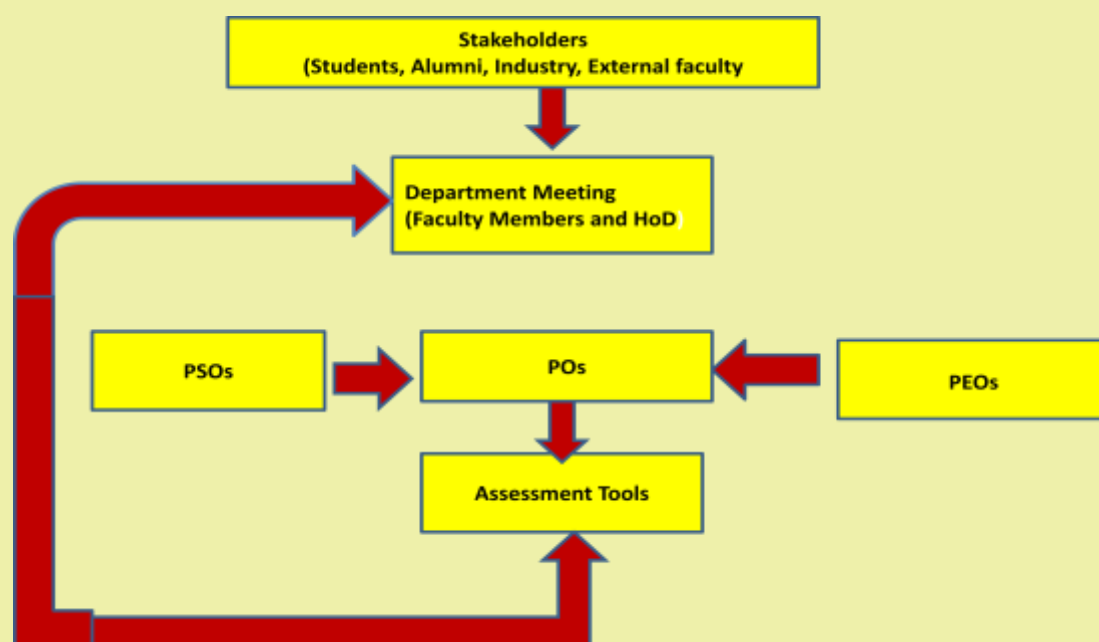# Curriculum and Teaching-Learning Process

The Program curriculum of each discipline is based on the AICTE model curriculum which is validated by the members of Board of Studies. A syllabus committee consisting of the faculty members, senior academicians of other institutes, industry experts, and alumni is setup by the HOD to review the existing curriculum and syllabus. The syllabus committee is further split into sub-committees of thrust areas of the program. The curriculum is discussed and finalised by the sub-committees keeping an eye on contents of GATE, ESE and UPSC syllabi and further place before the committee. The finalized curriculum and syllabus are placed before the Board of Studies for endorsement to the Faculty Committee. The recommendations of the Faculty Committee are then placed to the Academic council for approval.
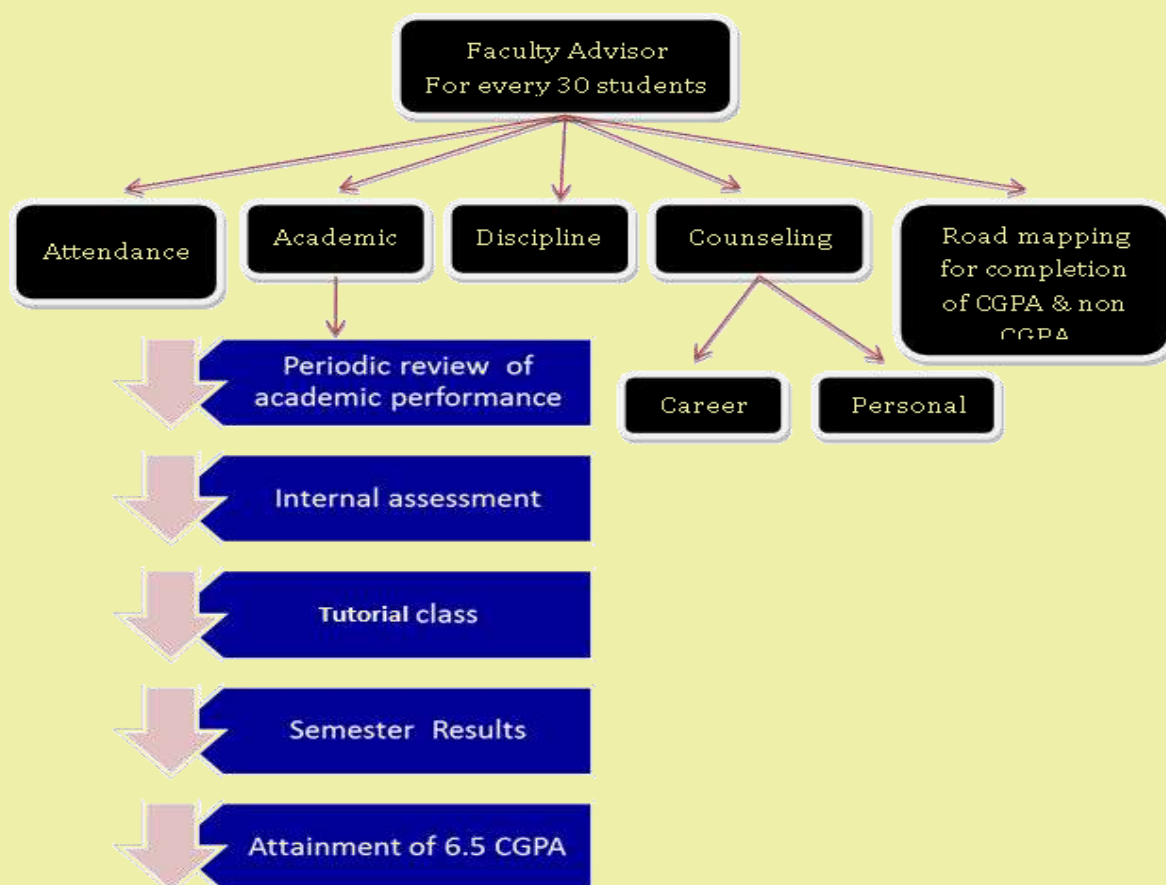
Program Outcomes (POs) and the Program Specific Outcomes (PSOs) are also considered while designing the program curriculum.

Process used to identify extent of compliance of the curriculum for attaining the POs and PSOs

BEST PRACTICES ADOPTED

Delivery methods of courses that help attainment of POs

a) Classroom sessions combined with discussion

b) Demonstrations with videos, small scale models, images

c) Presentations

d) Group discussions

e) Lab work

f) E-learning resources

g) Seminars

h) Tutorials

Identification of Weak Students and Action Taken

Identification Criterion	Action Taken
a) 10+2 Marks b) Previous semester result c) 1st Sessional test result (Below average Marks) d) 2nd Sessional test result (Below average Marks) e) End semester exam result (for students 1st sem to 8th sem)	a) Teachers follow their progress b) Tutorial classes for especially weak students c) Counselling in teachers chamber d) Conduct of special remedial lasses e) Attendance monitoring f) Discussing in PTA meeting

Methodology to Encourage Bright Students

Identification Criterion	Methodology
a) 10+2 Marks b) Position in entrance result c) 1st Sessional test result (Above 75% Marks) d) 2nd Sessional test result (Above 75% Marks) e) Response in class f) End semester exam	a) Encourage to solve the problems being asked in GATE, ESE and UPSC Exams b) Involving in extracurricular activities in reputed function college c) Calling in the chamber and encourage d) Helping in getting a scholarship e) Providing hostel facilities f) Encouraging for GATE and Engg Services