



B.E. Semester IV: Design Engineering 1(b)

Circular & Guidelines

Circular for Design Engineering 1(b)

- ✓ Design engineering teaching hours must be included in the existing time table of every college and every session of this course must be at a stretch of three hours conducted by 2 faculty members per 60 students.
- ✓ **Colleges must arrange a session of 'continuous three hours of teaching'** for the course of design engineering. A College may adopt any of the three options or find out one's own approach.
 - (i) During regular weekdays
 - (ii) Alternate Saturday
 - (iii) All Saturday
- ✓ The University will take attendance record of the course online as is done for other theory subjects. Colleges need to arrange the classes in interactive mode. The canvas exercises and work should not be given as home assignment but it has to be done by teams in class and field activities.

Additional Guidelines

- ✓ At least one Institute level FDP for Design Engineering should be organized in each semester.
- ✓ **One Coordinator** from each college and **a minimum of 2 faculty members** from each branch should participate **in an FDP** at the University. The workload of the faculty member teaching this course should include the time needed for the design engineering course along with his/her other workload.

- ✓ Trained DE Faculty Members may also work as Guide/Co-Guide in final year projects.
- ✓ The Faculty Members teaching Design Engineering course should conduct a workshop for all the 6th Semester students before the end of the academic year so that the students can be trained in Empathy Mapping , Ideation and similar design thinking tools before beginning of industrial Shodh-yatra during the summer.
- ✓ Only the Faculty Members, who have participated in the FDPs in Design Engineering at GTU will be considered for appointment as external examiner of this course. The internal examiner of the subject, during the final examination, can be a Faculty Member, who has participated in an FDP in Design Engineering at GTU or at the College.
- ✓ GTU may set up zone level committees, comprising sincere Faculty Members. The Committees may visit the Colleges to monitor the implementation of the course in the different Departments of the colleges and to discuss with the Faculty Members optimum ways of learning of the subject. Based on the visit, the colleges will be advised about the extent to which the College/ Department is succeeding in establishing the proper learning systems for the subject.

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