



Report: Faculty Development Programs of new curriculum for the Degree Engineering Program on 22nd September, 2013.

Engineering Graphics:

Faculty development program on revised syllabus of Engineering Graphics was held on 22nd September 2013 at GTU Chandkheda Campus. More than 50 faculty members from various degree engineering colleges affiliated to GTU attended the same. The objective of the program was to highlight major changes in the syllabus, discuss the content to be covered for various topics, best practices for the teaching the course and address examination related issues. These objectives were intended to enhance synchronization among faculties about the contents of syllabus and to adapt best practices for teaching the course.

The first lecture was delivered by Dr Dhaval Jani, Professor, Mechanical Engineering, A. D. Patel Institute of Technology) member of syllabus committee for Mechanical Engineering. He started with importance of outcome based education and accreditation of engineering programs. He explained that the new format of syllabus is as per NAAC/NBA requirement where prerequisite, percentage weightage of each module, course outcomes, list of experiments, list of equipments/instruments etc. are clearly mentioned. The participants were also informed about the flexibility given to individual institute about the laboratory work. They were also updated about submission of innovative experiments by individual institute at the end of first year GTU.

He then gave the overview of revised syllabus of the course and clearly brought out the changes incorporated in different topics. He also justified the objectives of the revision. Depth and difficulty levels for each topic were clearly explained. He also talked about Active learning assignments incorporated as a part of progressive assignment of theory component.

The second session was conducted by Prof D S Sharma, Professor, Mechanical Engineering, Nirma University. He emphasised on relating engineering graphics with the existing knowledge of students and physical world around. Such a method can make the subject more interesting and can help students to improve their visualization skills. He explained some basic concept of engineering graphics with the ways of teaching EG in class. He shows the importance of engineering drawing in a life of engineer and tried to correlate the EG with application for the easy understanding of student.



Elements of Mechanical Engineering:

Faculty development program on revised syllabus of Elements of Mechanical Engineering was held on 22nd September 2013 at GTU Chandkheda Campus. More than 80 faculty members from various degree engineering colleges affiliated to GTU attended the same.

The first lecture was delivered by Dr N M Bhatt, Director of Gandhinagar Institute of Technology and Coordinator of syllabus committee for Mechanical Engineering. He started with importance of outcome based education and accreditation of engineering programs. He explained that the new format of syllabus is as per NAAC/NBA requirement where prerequisite, percentage weightage of each module, course outcomes, list of experiments, list of equipments/instruments etc. are clearly mentioned. The participants were also informed about the some flexibility given to individual institute about the laboratory work. They were also told that at the end of first year GTU will ask for the submission of innovative experiments done by individual institute.

Dr N M Bhatt also gave the overview of revised syllabus of the course and clearly brought out the changes incorporated in different topics. He also justified the objectives of the revision. Depth and difficulty levels for each topic were clearly explained. He also talked about Active learning assignments incorporated as a part of progressive assignment of theory component and case study incorporated as a part of progressive assignment of practical component.

The next lecture was delivered by Dr. Pravin Kumar of Delhi University. He demonstrated the methods/activities by which teaching-learning process for the subject can be made interesting. He showed different animations available to explain the concept of various mechanical systems.

In post lunch session Dr. G. P. Vadodaria, In-charge Registrar and In-charge Controller of Examination of GTU briefed the participants about common mistakes done by paper setters and examiners. He also told that utmost care must be taken while drawing the question papers and assessing the answer books.

Presentation on e-learning resources was made during the last session.

Concluding remarks were given by Dr N M Bhatt and he thanked all the participants for their active participation in FDP.



GUJARAT TECHNOLOGICAL UNIVERSITY

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ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

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Photo Gallery:

