



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
UNIVERSITY COLLEGE OF ENGINEERING KAKINADA
DEPARTMENT OF PETROLEUM ENGINEERING & CHEMICAL ENGINEERING
KAKINADA – 533 003, Andhra Pradesh (India)

Course: Chemical Engineering

Faculty feedback – Suggestions received:

- Chemical Reaction Engineering – I and Chemical Reaction Engineering – II to be merged as single subject, packed bed reactor topic should be included
- In fluid mechanics, inviscid flow to be deleted.
- Dispersion model can be removed from industrial safety and hazard management.
- In plant design short cut methods in distillation should be added.
- In mechanical unit operations topics viz. crystallisation, electrostatic separation should be removed.
- New subjects viz. corrosion engineering, design of experiments and analysis, general chemical technology, industrial biotechnology was suggested.

Alumni feedback – suggestions received:

- New experiments to be included in laboratories.
- Syllabus should be framed where analytical thinking is enhanced.
- Syllabus should be on par with recent technologies in chemical industries.
- Campus recruitment training and gate coaching should be provided in campus.
- Coding subjects should be incorporated in curriculum as python, java as suggested.
- Simulation software like Aspen plus should be included in curriculum.

Industry feedback – suggestions received:

- Distributed control system (DCS) topic should be included.
- Sufficient training should be provided to students before stepping in to industries.

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Dept. of Petroleum Engineering &
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Action taken over the suggestions received:

1. As suggested by the faculty topics to be should added in the subjects were incorporated and some suggested topics were curtailed.
2. Suggested made by industry experts was also incorporated in the curriculum.
3. New subjects were introduced in the curriculum. Subjects included are corrosion engineering, design of experiments and analysis, general chemical technology, industrial biotechnology.
4. Suggestion received by the alumnus was also taken into consideration



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