



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)
Sangivalasa 531 162, Bheemunipatnam Mandal, Visakhapatnam Dist

DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on the feedback collected on curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action taken
Students	<ol style="list-style-type: none">1. Economics topics can be increased in CPEED course2. Nanotechnology course can be included in curriculum3. Softwares like ASPEN and MATLAB to be included in curriculum4. More industrial visits and trainings need to be provided	<ol style="list-style-type: none">1. It is placed in BoS 2023 for approval2. It is included in curriculum as an elective3. Python and DWSIM are included in the curriculum. ASPEN and MATLAB are being implemented as value added courses4. Industrial trainings are included after 2nd year 2nd semester and 3rd year 2nd semester from R-20 regulations
Faculty	<ol style="list-style-type: none">1. Faculty suggested to add fuel cell topic in CETD course2. Insurance topic can be included in CPEED course3. Drying and leeching equipment may be reduced in Mass Transfer - II course	<ol style="list-style-type: none">1. It will be placed in BoS 2023 for approval2. It will be placed in BoS 2023 for approval3. The syllabus can be reduced and will be placed for approval in BoS 2023
Alumni	<ol style="list-style-type: none">1. A few Alumni suggested to include simulation tools2. A few Alumni suggested to include pharmaceutical related courses	<ol style="list-style-type: none">1. Simulation tool DWSIM is added to curriculum from 2018-19 onwards and python course is added from 2019-20 onwards. Aspen and MATLAB are implemented as value added courses.

Employers	1. Softskills and communication skills need to be improved	1. Measures are taken to improve soft and communication skills for students as a part of curriculum by organizing course presentations, JAM sessions, presentations in conferences and project presentations. From 2021-22, seminar course in 2nd year 2nd semester is included in the curriculum to focus on these skill sets.
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R. Srikanth

Prof. R. Srikanth
HOD
Chemical Engineering

**HEAD,
DEPARTMENT OF CHEMICAL
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Department of Chemical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. Students are requested for computer related courses.	1. Python is introduced in Computational Lab in R19 regulation.
Faculty	1. Some topics are available in more than one unit in Process dynamics and Control. 2. Few calculations and derivatives may be Engineering. in Material Science Engineering. 3. Suggested to inculcate medical applications of nanotechnology	1. Repeated topics are skipped and organized syllabus in R19 2. calculations and derivations are included in curriculum and omitted from assessment. 3. It is placed in R19 IV year BOS for approval
Alumni	1. Alumni requested to allow students to choose electives from other departments,	1. Open electives were offered in R15 an R19 curriculum
Employers	1. Industrial Safety and fire fighting techniques to be included. 2. Simulation techniques like Aspen, Pro-II, MATLAB etc.	1. Industrial safety course is included in 3 rd year R19 syllabus. 2. DWSIM software is being used in 4-1 for simulating equipment.

A. Anil
Head of the department

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Action taken report on faculty feedback (2019-20)

S. No.	Observations	Action taken
1	Faculty felt to include new courses like Design Thinking and Entrepreneurship in the curriculum.	Design thinking and Entrepreneurship courses are added as electives in II year II semester in R-19 regulations.
2	Numerical methods in Chemical Engineering course is to be added with topics like algebraic equations, ODE and PDEs.	New syllabus is framed taking these suggestions into account.

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HOD

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Action taken report on faculty feedback (2018-19)

S. No.	Observations	Action taken
1	Biology for Engineers can be added to the curriculum as suggested by AICTE.	Biology for Engineers course is added in I year II Semester in R-19 regulations

S. Subba Rao

Prof. S. Subba Rao
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Action taken report on faculty feedback (2017-18)

S. No.	Observations	Action taken
1	Temperature and Concentration distributions in turbulent flow can be skipped from the Transport Phenomena Course	The mentioned topics are skipped from the syllabus.
2	Chemical Engineering Mathematics can be dropped from the curriculum as the most topics are covered in Process Modelling and Simulation subject.	The subject is dropped out from the curriculum and Process Modelling and Simulation subject is made as a compulsory course in IV year I Semester.
3	Nanotechnology can be added as a new course in the curriculum.	Nanotechnology is added to the curriculum as an elective in IV year I Semester.
4	Chemical Engineering related problems need to be added in the Process Optimization subject.	Topics related to Chemical Engineering are added in the Process Optimization subject.

Prof. S. Subba Rao
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Action taken report on faculty feedback (2016-17)

S. No.	Observations	Action taken
1	Adiabatic wheel heat exchanger, plate fin heat exchanger can be added in Heat Transfer Equipments	These new equipments are not added in the syllabus as equipments in Heat Transfer course are sufficient.
2	Case studies can be included in Mass transfer - II course.	Case studies are included in the Mass Transfer - II course.
3	Water and Metallurgy chapters can be done away when ICT and OCT subjects are clubbed.	The two chapters are skipped from the new course Chemical Technology.
4	Nitrogen, Carbon cycles etc. to be included in Industrial Pollution Course prior to pollution topics.	The cycles are added in the syllabus.

Prof. S. Subba Rao
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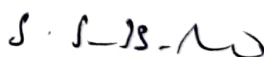
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Action taken report on faculty feedback (2015-16)

S. No.	Observations	Action taken
1	In Chemical Process Calculations, vapor pressure and humidity topics can be do away as they are studied in Thermodynamics - I and Mass Transfer - I respectively	Vapor pressure topic is skipped from the CPC syllabus but humidity is retained.
2	Refrigeration and Liquefaction chapter is to be moved to CETD-II as the syllabus of CETD-I is more.	Refrigeration and Liquefaction chapter is shifted to CETD-II from CETD-I.
3	In Process Instrumentation subject, new topics like spectroscopic analysis, HPLC and chromatographic techniques are to be added.	The mentioned topics are added in the process instrumentation course.


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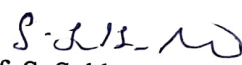
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Action taken report on faculty feedback (2014-15)

S. No.	Observations	Action taken
1	Faculty felt to introduce Introduction to Chemical Engineering subject in First year	Introduction to Chemical Engineering course is introduced in I year II semester.


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