

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC with 'A' Grade)

SANGIVALASA 531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DIST

DEPARTMENT OF CHEMICAL ENGINEERING**Details of Innovative and Collaborative Teaching Methodologies****Academic Year:2018-19**

S.No	Name of Faculty	Class & Section	Semester	Name of the Course	Course Code	Innovative/Collaborative teaching methods used	Links if any
1	B. Pradeep S Kumar	III-IV	II	Mass Transfer -II	CHE321	Working Model by students	
2	S.HARIKA	II/IV	II	Mechanical Operations	CHE223	Size reduction equipment animations	https://www.youtube.com/watch?v=L6sgGXXYdEU https://www.youtube.com/watch?v=rC9rhEpZBMU https://www.911metallurgist.com/blog/jaw-crusher-working-principle https://www.youtube.com/watch?v=2jfAnGA40NE https://www.youtube.com/watch?v=tPYxXAWo3jU https://www.youtube.com/watch?v=oxFLiQneJ8 https://www.youtube.com/watch?v=8aWNVNubvdw https://www.youtube.com/watch?v=L6sgGXXYdEU
3	Dr. Anjali	II/IV	II	Momentum Transfer	CHE-222	Pumps, flowmeter animations	https://www.youtube.com/watch?v=BaEHVpKc-1Q https://www.youtube.com/watch?v=g24LIRdup0M https://www.youtube.com/watch?v=78LjQGr1YK4 https://www.youtube.com/watch?v=TSXS4FqzxAQ
4	Dr. K. China Malakondaiah	III/IV	II	Chemical Technology	CHE324	Flowsheet animations	https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sulfuric%20acid%20by%20chamber%20proces.swf https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sulfuric%20acid%20by%20contact%20process.swf https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sodium%20carbonate%20dual%20process.swf https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sodium%20carbonate%20by%20electrolytic%20process.swh https://nptel.ac.in/courses/103106108/downloads/swf%20file/cement%20conveyer.s.swf

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5	Dr. K. China Malakondaiah	III/IV	I	Mass Transfer -I	CHE314	MS office Excel sheet was used to demonstrate the McCabe-Thiele method	https://docs.google.com/spreadsheets/d/16rJpCSZb-5WEd_jGgPw7MheN3YRDcPK5/edit?usp=sharing&oid=100247362944819107641&rtpof=true&sd=true
6	Ms. P. Mallika Rani	III/IV	II	Polymer Technology	CHE316 (A)	Manufacture of Bio plastics/Polymers	
7	M. Koteswara Rao	II/IV	II	Chemical Engineering Thermodynamics-I	CHE225	Excel and Coding	https://docs.google.com/spreadsheets/d/1MlqyudhWiygvUO3Wgew0MLYYV4dU7IJ-/edit?usp=sharing&oid=108999896637061479829&rtpof=true&sd=true https://drive.google.com/file/d/1bM8tqeOtLHKmlmMpX0NoqaroXbgVdf45/view?usp=sharing
8	Dr. M. Shiva Naresh	III/IV	I	Industrial Safety and Hazard management	CHE311 (A)	Presentations by students	
9	Dr. Anjali	IV/IV	II	Nano Technology	CHE415(C)	Presentations by students	https://drive.google.com/file/d/1yGY_3S1xTh1o9OkHwPYkNdFla1BntVIC/view?usp=sharing
10	Dr. Ch. Anil	III/IV	II	Chemical Engineering Thermodynamics-II	CHE312	MOODLE quiz	http://52.66.30.236/moodle/mod/quiz/edit.php?cmid=9679
11	Dr. Ch. Anil	III/IV	II	Material Science and engineering	CHE323	MOODLE quiz	http://52.66.30.236/moodle/mod/quiz/edit.php?cmid=15859

Ch. Anil