

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:2019-20**

S.No	Name of Faculty	Class & Section	Semester	Name of the Course	Course Code	Innovative/Collaborative teaching methods used	Links if any
1	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
2	S.HARIKA	III/IV	II	Fertiliser Technology	CHE316 (B)	prilling tower & Granulation animation	https://www.ureaknowhow.com/ukh2/videos/video/91-kreber-prilling-equipment.html https://www.youtube.com/watch?v=ZnQrZo0zbjE
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	M. Koteswara Rao	III/IV	II	Petrochemicals	CHE325(A)	Videos related to petrochemicals	https://www.youtube.com/watch?v=5NyjH26RIPI&t=11s https://www.youtube.com/watch?v=CHivlQ41QxM&t=5s https://www.youtube.com/watch?v=PVGjvdFjnYI&t=1s https://www.youtube.com/watch?v=vCqCxSOG_Y4&t=3s

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5	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%20Solvays%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%20conveyers.swf
6	Dr. K. China Malakondaiah	IV/IV	I	Nanotechnology	CHE415(C)	Animations/Pictorial representation	https://nptel.ac.in/courses/102/107/102107058/
7	B. Pradeep S Kumar	III-IV	II	Mass Transfer -II	CHE321	Mass transfer equipment animations	https://www.youtube.com/watch?v=42BA1GWIWic https://www.youtube.com/watch?v=7cNHecFHHT4 https://www.youtube.com/watch?v=HqP45sIStpw https://www.youtube.com/watch?v=dwHFKyf_ZLc https://www.youtube.com/watch?v=ZKCK7K4Ew7c
8	Dr. Ch. Anil	IV/IV	I	Transport Phenomena	CHE412	MOODLE quiz	http://52.66.30.236/moodle/mod/quiz/edit.php?cmid=21364
9	Ms. P. Mallika Rani	IV/IV	I	Process Modelling and Simulation	CHE414	Simulation of a given problem statement using DWSIM	
10	Dr. Anjali	III/IV	I	Heat Transfer	CHE313	Model Preparation/ problem solving in C	https://drive.google.com/file/d/1rSwF8hZK8kue_AdjZqLVxPiJ2dzo9WDu/view?usp=sharing

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11	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/1bM8tqeOtLHKmImMpX0NoqaroXbgVdf45/view?usp=sharing

Ch. Anil

Dr. Ch. Anil

HOD Chemical Engineering

HEAD,
DEPARTMENT OF CHEMICAL
ENGINEERING