

**ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES**

(UGC AUTONOMOUS)

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

SANGIVALASA 531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DIST

**DEPARTMENT OF CHEMICAL ENGINEERING****Details of Innovative and Collaborative Teaching Methodologies****Academic Year:2017-18**

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	<a href="https://www.youtube.com/watch?v=L6sgGXXYdEU">https://www.youtube.com/watch?v=L6sgGXXYdEU</a> <a href="https://www.youtube.com/watch?v=rC9rhEpZBMU">https://www.youtube.com/watch?v=rC9rhEpZBMU</a> <a href="https://www.911metallurgist.com/blog/jaw-crusher-working-principle">https://www.911metallurgist.com/blog/jaw-crusher-working-principle</a> <a href="https://www.youtube.com/watch?v=2jfAnGA40NE">https://www.youtube.com/watch?v=2jfAnGA40NE</a> <a href="https://www.youtube.com/watch?v=tPYxXAWo3jU">https://www.youtube.com/watch?v=tPYxXAWo3jU</a> <a href="https://www.youtube.com/watch?v=oxFLiQneJ8">https://www.youtube.com/watch?v=oxFLiQneJ8</a> <a href="https://www.youtube.com/watch?v=8aWNVNubvdw">https://www.youtube.com/watch?v=8aWNVNubvdw</a> <a href="https://www.youtube.com/watch?v=L6sgGXXYdEU">https://www.youtube.com/watch?v=L6sgGXXYdEU</a>
2	Dr. Anjali	II/IV	II	Momentum Transfer	CHE-222	Pumps, flowmeter animations	<a href="https://www.youtube.com/watch?v=BaEHVpKc-1Q">https://www.youtube.com/watch?v=BaEHVpKc-1Q</a> <a href="https://www.youtube.com/watch?v=g24LIRdup0M">https://www.youtube.com/watch?v=g24LIRdup0M</a> <a href="https://www.youtube.com/watch?v=78LjQGr1YK4">https://www.youtube.com/watch?v=78LjQGr1YK4</a> <a href="https://www.youtube.com/watch?v=TSXS4FqzxAQ">https://www.youtube.com/watch?v=TSXS4FqzxAQ</a>
3	Dr. K. China Malakondaiah	IV/IV	II	Process Engineering Economics	CHE423	Excel Calculations to understand the EMI	<a href="https://docs.google.com/spreadsheets/d/1XyPpubSv696qNVK10ZLlB_tH5mk5bQbN/edit?usp=sharing&amp;oid=100247362944819107641&amp;rtpof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/1XyPpubSv696qNVK10ZLlB_tH5mk5bQbN/edit?usp=sharing&amp;oid=100247362944819107641&amp;rtpof=true&amp;sd=true</a>
4	Dr. K. China Malakondaiah	III/IV	I	Mass Transfer -I	CHE314	MS office Excel sheet was used to demonstrate the McCabe-Thiele method	<a href="https://docs.google.com/spreadsheets/d/16rJpCSZb-5WE_d_jGgPw7MheN3YRDcPK5/edit?usp=sharing&amp;oid=100247362944819107641&amp;rtpof=true&amp;sd=true">https://docs.google.com/spreadsheets/d/16rJpCSZb-5WE_d_jGgPw7MheN3YRDcPK5/edit?usp=sharing&amp;oid=100247362944819107641&amp;rtpof=true&amp;sd=true</a>
5	B. Pradeep S Kumar	II-IV	II	Process Instrumentation	CHE224	Presentations by students	<a href="https://drive.google.com/drive/folders/1hXUvgbuB3R7CZF-rMWY_VwIK5Ee6iLC4">https://drive.google.com/drive/folders/1hXUvgbuB3R7CZF-rMWY_VwIK5Ee6iLC4</a>
6	Ms. Suchitra B	IV/IV	I	Transport Phenomena	CHE412	MOODLE quiz	

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7	Dr. Anjali	III/IV	II	Chemical Technology	CHE324	Flowsheeting	<a href="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%20chamber%20proces.swf</a> <a href="https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sulfuric%20acid%20by%20contact%20process.swf">https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sulfuric%20acid%20by%20contact%20process.swf</a> <a href="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%20Solvays%20process.swf</a> <a href="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%20dual%20process.swf</a> <a href="https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sodium%20carbonate%20by%20electrolytic%20process.swh">https://nptel.ac.in/courses/103106108/downloads/swf%20file/Sodium%20carbonate%20by%20electrolytic%20process.swh</a> <a href="https://nptel.ac.in/courses/103106108/downloads/swf%20file/cement%20conveyers.swf">https://nptel.ac.in/courses/103106108/downloads/swf%20file/cement%20conveyers.swf</a>
8	Ms. C. Maheswari	III/IV	II	Polymer Technology	CHE316 (A)	Animations/Presentations	
9	B. Pradeep S Kumar	III-IV	II	Mass Transfer -II	CHE321	Working Model by students	<a href="https://drive.google.com/drive/folders/1Zpz0OCTdzJQ108_y-J1VZQGITesq58Ny">https://drive.google.com/drive/folders/1Zpz0OCTdzJQ108_y-J1VZQGITesq58Ny</a>
10	Dr. Ch. Anil	III/IV	II	Material Science and engineering	CHE323	Crystal structures model making	<a href="https://drive.google.com/file/d/18bn_wjn6TkUJvEpb61oJzwMTcKYhVvDq/view?usp=sharing">https://drive.google.com/file/d/18bn_wjn6TkUJvEpb61oJzwMTcKYhVvDq/view?usp=sharing</a>

*Ch. Anil*

Dr. Ch. Anil

HOD Chemical Engineering

**HEAD,**  
**DEPARTMENT OF CHEMICAL**  
**ENGINEERING**