

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

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SANGIVALASA 531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DIST

DEPARTMENT OF CHEMICAL ENGINEERING

Details Video lectures

S. No.	Name of the faculty	Course Name	Description of the topic covered	Video link
1	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Numericals on First Law of Thermodynamics	https://drive.google.com/file/d/1Lp6zTQN87My3ftYE71ZnQ6l-IQ6nrVDk/view?usp=sharing
2	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Numericals on Unit-I	https://drive.google.com/file/d/1Lp6zTQN87My3ftYE71ZnQ6l-IQ6nrVDk/view?usp=sharing
3	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	PVT Behaviour of pure substances	https://drive.google.com/file/d/15aA2zQhvYhF3MtYSBGpHwyo4Ry77NNBf/view?usp=sharing
4	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Virial equation of state	https://drive.google.com/file/d/1x6Vhzdp8DeODry89CROwn50LSKCvXIRC/view?usp=sharing
5	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Cubic Equation of state	https://drive.google.com/file/d/1wqPT52k90eHGdEpYoEHLcSOtSq0jRZc1/view?usp=sharing
6	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Numericals on Unit-II	https://drive.google.com/file/d/12pmJgH-xoBUKNct3K4tHAPXrNPxswTQF/view?usp=sharing
7	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Numericals on vaporlike volume	https://drive.google.com/file/d/1aQxKKGjdlSj2-aa7QJKFVvEnzf0UsBXn/view?usp=sharing
8	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Application of virial equations	https://drive.google.com/file/d/14GAGsy_5Wv7kcFhsluZOfRtt5547Nzt/view?usp=sharing
9	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Internal energy Enthalpy heat work for ideal gas	https://drive.google.com/file/d/1aWPWfvWNMCzRnpdnoHdLVRdyA-ZREwKN/view?usp=sharing
10	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Generalized correlations for gases and liquids	https://drive.google.com/file/d/1XOL3CAynEI0qhupqDzIXW4Rk4UQSCjmb/view?usp=sharing
11	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Numericals on Heat effects	https://drive.google.com/file/d/1Fkipd0EG2arsWIXqZuD RwcOwex01d1hm/view?usp=sharing
12	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Standard heat of reaction formation and combustion	https://drive.google.com/file/d/1GMM-cs-0rvhMGB89kYGcFLmdylyPFWBb/view?usp=sharing
13	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Std. Heat of reaction and temperature dependency	https://drive.google.com/file/d/1DrDln62HYjblxEwPixXkd tJLgA6Tvi7i/view?usp=sharing
14	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Sensible heat and evolution of heat capacity	https://drive.google.com/file/d/1zYCCXTQThrSy7eMAGIJ5DtIFBeXRSL8/view?usp=sharing
15	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Two phase systems and thermodynamic diagrams	https://drive.google.com/file/d/1Ppz8vdxephWUHjxsSz1UZ2qaW1pzGJVu/view?usp=sharing

16	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Mathematical statement for 2nd law of TD and entropy balance	https://drive.google.com/file/d/1QI3L6GGoHfiSXTwg_wDFy5SzZtpNUTqC/view?usp=sharing
17	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Entropy and entropy change in ideal gas	https://drive.google.com/file/d/1dfX5fX29pXC17gEGNvzTfQ1Tnc1np48i/view?usp=sharing
18	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	2nd law of TD and Heat engines	https://drive.google.com/file/d/11eSyLoeUwVhELf4mkUIMSD5rJE51WEvG/view?usp=sharing
19	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Entropy from microscopic point of view	https://drive.google.com/file/d/1MGfwSNA49T50yGdVILuDoMqVb9WuS2fS/view?usp=sharing
20	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Thermodynamic temperature scale and Carnot engine	https://drive.google.com/file/d/18THjH4Hkrsju6bY7sxszzDDj1sLutEY/view?usp=sharing
21	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Thermodynamic properties in terms of basic properties	https://drive.google.com/file/d/1Dk5T4pGYm8LGp0a5Il-VEjWURkXPq55G/view?usp=sharing
22	Mr. M. Koteswara Rao	Chemical Engineering Thermodynamics-I	Gibbs energy as generating function	https://drive.google.com/file/d/1Bv11rSuvcaW8DE0QwaMggcX9NfwsvEQ0/view?usp=sharing