

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 | Academic year | Course code | Course Name | Description of the topic covered | Video link |
|--------|----------------------|---------------|-------------|---------------------------------------|---|---|
| 1 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Numericals on Unit-I | https://drive.google.com/file/d/1Lp6zTQN87My3ftYE71ZnQ6l-IQ6nrVDk/view?usp=sharing |
| 3 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | PVT Behaviour of pure substances | https://drive.google.com/file/d/15aA2zQhvYhF3MtYSBGpHwyo4Ry77NNBf/view?usp=sharing |
| 4 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Virial equation of state | https://drive.google.com/file/d/1x6VhzdP8DeODry89CRQwn50LSKcVXIRC/view?usp=sharing |
| 5 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Cubic Equation of state | https://drive.google.com/file/d/1wqPT52k90eHGdEpYoEHLcSOtSg0jRZc1/view?usp=sharing |
| 6 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Numericals on Unit-II | https://drive.google.com/file/d/12pmJgH-xoBUKNct3K4tHAPXrNPxswTQF/view?usp=sharing |
| 7 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Numericals on vaporlike volume | https://drive.google.com/file/d/1aQxKKGjdsJ2-aa7QJKFVvEnzf0UsBXn/view?usp=sharing |
| 8 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Application of virial equations | https://drive.google.com/file/d/14GAGsy_5Wv7kcFhsluZOFRttt5547Nzt/view?usp=sharing |

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| 9 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Numericals on Heat effects | https://drive.google.com/file/d/1Fkipd0EG2arsWIXqZuDRwcOwex01d1hm/view?usp=sharing |
| 12 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Std. Heat of reaction and temperature dependency | https://drive.google.com/file/d/1DrDIn62HYjblxEwPixXkdtJLgA6Tvi7i/view?usp=sharing |
| 14 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Sensible heat and evolution of heat capacity | https://drive.google.com/file/d/1zYCCXTQUThrSy7eMAGiJ5DtIFBeXRSL8/view?usp=sharing |
| 15 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Two phase systems and thermodynamic diagrams | https://drive.google.com/file/d/1Ppz8vdxephWUHjxsS1UZ2gaW1pzGJVu/view?usp=sharing |
| 16 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Mathematical statement for 2nd law of TD and entropy balance | https://drive.google.com/file/d/1QI3L6GGoHfiSXTwgwDFy5SzZtpNUTgC/view?usp=sharing |
| 17 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | 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 | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Entropy from microscopic point of view | https://drive.google.com/file/d/1MGfwSNA49T50yGdVILuDoMqVb9WuS2fS/view?usp=sharing |

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| 20 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Thermodynamic temperature scale and Carnot engine | https://drive.google.com/file/d/18THjH4Hkrsju6bY7sxs_zDDj1sLutEY/view?usp=sharing |
| 21 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Thermodynamic properties in terms of basic properties | https://drive.google.com/file/d/1Dk5T4pGYm8LGp0a5II-VEjWURkXPq55G/view?usp=sharing |
| 22 | Mr. M. Koteswara Rao | 2020-21 | CHE225 | Chemical Engineering Thermodynamics-I | Gibbs energy as generating function | https://drive.google.com/file/d/1Bv11rSuvcaW8DE0QwaMggcX9NfwsvEQ0/view?usp=sharing |

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