

QEEE AUG – NOV 2016 COURSES OFFERED

TOPICS:

- 1) **Microprocessors and Microcontrollers - Memory Mapping and Peripheral Interfacing**
Prof. Ashok Jhunjunwala,IITM
- 2) **Introduction To Conduction Heat Transfer - Heat Transfer**
Dr.Suman Chakraborty,IITKGP
- 3) **Introduction to Convection Heat Transfer - Heat Transfer**
Dr.Suman Chakraborty,IITKGP
- 4) **Fundamental Concepts in Fluid Dynamics - Fluid Dynamics**
Dr.Suman Chakraborty,IITKGP
- 5) **Fundamental Concepts in Fluid Kinematics - Fluid Dynamics**
Dr.Suman Chakraborty,IITKGP
- 6) **Permutations and Combinations - Engineering Maths**
Prof.Sanjeev Sabnis,IITB
- 7) **Introduction to Compilers - Compiler Design**
Prof. Rupesh Nasre,IITM
- 8) **Input and Output Streams -Interfaces, Packages Collections and Vectors,Files- OOPS**
Prof. Rupesh Nasre,IITM
- 9) **Fourier Series - Mathematical Methods**
Prof. Gopal Srinivasan,IITB
- 10) **Combinational and Sequential Circuit Design - Digital IC Design**
Prof. Nitin Chandrachoodan,IITM
- 11) **Shear Strength of Soils - Geotechnical Engineering**
Dr.Santiram Chatterjee,IITB
- 12) **Moving Loads and Influence Lines - Analysis of Structures**
Prof. Arghadeep Laskar,IITB
- 13) **Classification of Signals and System - Introduction to Signals and Systems**
Prof. Arun Pachai Kannu,IITM

- 14) Fourier Transforms - Introduction to Signals and Systems**
Prof. Arun Pachai Kannu,IITM
- 15) Vibration - Theory of Vibration / Dynamics of Machines / Theory of Machines / Structural Dynamics**
Prof. Abhijit Sarkar,IITM
- 16) Gear - Kinematics and Dynamics of Machinery / Theory of Machines**
Prof. Abhijit Sarkar,IITM
- 17) Bending and Stresses in Beam - Strength of Materials / Mechanics of Solids / Solid Mechanics**
Prof. Abhijit Sarkar,IITM
- 18) Spoken English**
Ms. Vineeta Prasad,Delhi
- 19) Linear Data Structures and Applications - Data Structures and Algorithms**
Prof. Supratim Biswas,IITB
- 20) Non-linear Data Structures and Applications - Data Structures and Algorithms**
Prof. Supratim Biswas,IITB
- 21) Priority Queues and Trees - Data Structures**
Prof. Venkatesh TG,IITM
- 22) Cloud Technology Overview - Cloud Computing**
Prof. S C Gupta,IITD
- 23) Virtualization Technology - Cloud Computing**
Prof. S C Gupta,IITD
- 24) Maxwell Equations**
Prof. B. K. Das,IITM
- 25) Plane Waves - Electromagnetic Fields**
Prof. B. K. Das,IITM
- 26) Introduction to DSP Labs**
Prof. Ashok Jhunjhunwala,IITM
- 27) Applications and Concepts of Thermodynamics**
Prof.S.R. Kale,IITD
- 28) Applications, Examples and Problem Solving Approach of Thermodynamics**
Prof.S.R. Kale,IITD

29) Laws of Thermodynamics

Prof.S.R. Kale,IITD

30) Properties of a Pure Substance

Prof.S.R. Kale,IITD

31) Predicate Logic/First Order Logic (FOL) - Artificial Intelligence

Prof. Deepak Khemani,IITM

32) Laser Physics - Engineering Physics

Prof. Vijayan C,IITM

33) 8085 and 8086 Microprocessor: Architecture, Assembly Language Programming and System Design

Prof. Venkatesh TG,IITM

34) Priority Queues and Trees - Data Structures

Prof. G. Venkatesh,IITM

LIVE LABS:

- **DSP Labs**

BRIDGE PROGRAMS:

- **Spoken English**
- **CII Industrial Bridge**