

COURSE CODE/ SUBJECT CODE & NAME : C301/EE8501 & POWER SYSTEM ANALYSIS

YEAR / SEM : III / V

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C301.1	Understand the basic components of power system and steady state operating condition
2	C301.2	Understand the power system analysis and using various methods
3	C301.3	Analyze the system under balanced faulted conditions
4	C301.4	Analyze the system under unbalanced faulted conditions
5	C301.5	Understand the stability analysis, control and protection

COURSE CODE/ SUBJECT CODE & NAME : C302 & EE8551/MICROPROCESSOR AND MICROCONTROLLERS

YEAR / SEM : III / V

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C302.1	Study the basic concept of 8085 microprocessor.
2	C302.2	Develop program skill using 8085 processor.
3	C302.3	To understand the concepts of 8051 microcontroller
4	C302.4	To illustrate how the different peripherals are interfaced with microprocessor.
5	C302.5	Develop the skills in 8051 program writing for different applications.

COURSE CODE /SUBJECT CODE & NAME : C303/ EE8552 & POWER ELECTRONICS

YEAR / SEM : III / V

Course Outcomes (COs)

S.NO	COURSE	COURSE OUTCOMES (COs)
1	C303.1	Understand the operating principles and performance characteristics of various power electronic semiconductor devices for turn-on and turn-off methods
2	C303.2	Understand the operating principles and performance characteristics of various phase controlled converters for different loads with suitable control strategy
3	C303.3	Understand the operating principles and performance characteristics of various dc to dc converters for different loads with suitable control strategy
4	C303.4	Understand the operating principles and performance characteristics of various inverters for different loads with suitable PWM techniques
5	C303.5	Understand the operating principles and performance characteristics of various ac to ac converters for different loads with suitable control strategy

COURSE CODE /SUBJECT CODE & NAME : C304/ EE8591 & DIGITAL SIGNAL PROCESSING

YEAR / SEM : III / V

S.NO	COURSE CODE	COURSE OUTCOMES (COs)
1	C304.1	Classifying the signals and systems & their mathematical representation
2	C304.2	Analyzing the discrete time systems using Z transformation technique
3	C304.3	Studying various transformation techniques & their computation.
4	C304.4	Familiarizing about filters and their design for digital implementation.
5	C304.5	Studying and understanding about a programmable digital signal processor & quantization effects

COURSE CODE /SUBJECT CODE & NAME : C305/ CS8392 & OBJECT ORIENTED PROGRAMMING
 YEAR / SEM : III / V

S.NO	COURSE CODE	COURSE OUTCOMES (COs)
1	C305.1	To understand Object Oriented Programming concepts and basic characteristics of Java
2	C305.2	To know the principles of packages, inheritance and interfaces
3	C305.3	To define exceptions and use I/O streams
4	C305.4	To develop a java application with threads and generics classes
5	C305.5	To design and build simple Graphical User Interfaces

COURSE CODE /SUBJECT CODE & NAME : C306/ OMD551 BASICS OF BIOMEDICAL INSTRUMENTATION
 YEAR / SEM : III / V

Course Outcomes (COs)

S.NO	COURSE	COURSE OUTCOMES (COs)
1	C306.1	To understand the concept of generation of bio potential and various types of electrodes.
2	C306.2	To understand the bio-signal characteristics and electrodes configuration.
3	C306.3	To learn the design of Bio-amplifier for various physiological recording.
4	C306.4	To learn the different measurement techniques non-physiological parameter.
5	C306.5	To know about the different biochemical measurement.

COURSE CODE/SUBJECT CODE & NAME :C307/ EE8511 & CONTROL AND INSTRUMENTATION LAB

YEAR / SEM : III / V

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C307.1	Understand and apply basic science, circuit theory, apply them to electrical engineering problems
2	C307.2	Understand and apply electromagnetic field theory and apply them to electrical engineering problems
3	C307.3	provide knowledge on analysis and design of control system along with basics of instrumentation
4	C307.4	Understand the Simulation of Control Systems by Mathematical development tools.
5	C307.5	Understand Modeling of Systems with control system parameters

COURSE CODE/SUBJECT CODE & NAME :C308/ HS8151-COMMUNICATIVE ENGLISH

YEAR / SEM : III / V

COURSE OUTCOMES

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C308.1	Read short technical articles from technical journals
2	C308.2	Describe a process and interpreting charts and graphs.
3	C308.3	Develop technical presentations by using sequence words.
4	C308.4	Write job application letter, Resume preparation.
5	C308.5	Participate in Group Discussion , writing reports and minutes of meeting.

COURSE CODE /SUBJECT CODE & NAME : C309/ CS8383 & OBJECT ORIENTED PROGRAMMING LABORATORY
 YEAR / SEM : III / V

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C309.1	Design and implement Java programs for real world applications
2	C309.2	Understand and apply the concept of classes, packages and interfaces.
3	C309.3	Develop and implement java programs with arraylist,exception handling and multithreading
4	C309.4	Design applications using file processing, generic programming and event handling
5	C309.5	To build software development skills using java programming for real-world applications.

COURSE CODE/SUBJECT CODE & NAME : C310/ EE8601 & SOLID STATE DRIVES
 YEAR / SEM : III / VI

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C310.1	Ability to understand the steady state operation and transient dynamics of a motor load system.
2	C310.2	Ability to select appropriate converter/chopper fed dc drive for DC motor with efficient operation
3	C310.3	Ability to select appropriate drives for induction motor with efficient operation.
4	C310.4	Ability to select appropriate drives for synchronous motor with efficient operation.
5	C310.5	Ability to analyze and design the current and speed controllers for a closed loop solid state DC motor drive.

COURSE CODE/ SUBJECT CODE & NAME : C311/ EE8602 & PROTECTION AND SWITCHGEAR

YEAR / SEM : III / VI

COURSE OUTCOMES

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C311.1	Educate the causes of abnormal operating conditions (faults, lightning and switching surges) of the apparatus and system
2	C311.2	Understand and explain characteristics and functions of relays and protection schemes.
3	C311.3	Study apparatus protection
4	C311.4	Understand and explain static and numerical relays
5	C311.5	Understand and explain functioning of circuit breakers

COURSE CODE/ SUBJECT CODE & NAME : C312/ EE8691 & EMBEDDED SYSTEMS

YEAR / SEM : III / VI

COURSE OUTCOMES

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C312.1	Ability to Understand the basic building blocks of embedded systems.
2	C312.2	Ability to design the bus communication in processors.
3	C312.3	Students can able to operate various embedded development model.
4	C312.4	Students can understand the cocept of bus communication process in embedded system design.
5	C312.5	Ability to Implement the embedded concepts in real time applications.

COURSE CODE /SUBJECT CODE & NAME : C313/ EE8002 & DESIGN OF ELECTRICAL APPARATUS

YEAR / SEM : III / VI

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C313.1	Student will understand the knowledge about Magnetic circuit parameters and thermal rating of various types of electrical machines
2	C313.2	Student will understand the knowledge about design of core, yoke, windings and cooling systems of transformers and the importance of computer aided design method
3	C313.3	Student will understand the knowledge about design core, yoke, and windings and cooling systems
4	C313.4	Student will understand the knowledge about stator and rotor of induction machines and the importance of computer aided design method.
5	C313.5	Student will understand the knowledge about design of synchronous machines and the importance of computer aided design method.

COURSE CODE /SUBJECT CODE & NAME : C314/ EE8005 & SPECIAL ELECTRICAL MACHINES

YEAR / SEM : III / VI

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C314.1	Ability to analysis the Construction, principle of operation and performance of Stepper motor.
2	C314.2	Ability to analysis the Construction, principle of operation and performance of Switched reluctance motor.
3	C314.3	Ability to analysis the Construction, principle of operation and performance of Permanent magnet brushless DC Motor.
4	C314.4	Ability to analysis the Construction, principle of operation and performance of Permanent magnet synchronous motor.
5	C314.5	Ability to understand the Construction, principle of operation and performance of Hysteresis motor, synchronous reluctance motor, linear induction motor and repulsion motor.

COURSE CODE / SUBJECT CODE & NAME : C315/ EE8611 & POWER ELECTRONICS AND DRIVES LAB
YEAR / SEM : III / VI

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C315.1	Understand and analyze, linear and digital electronic circuits
2	C315.2	Understand and analyze Characteristics converters
3	C315.3	Understood different types of PWM inverter
4	C315.4	Understood operation Switched mode power converter.
5	C315.5	Understand and analyze Simulation of PE circuits

COURSE CODE/SUBJECT CODE & NAME : C316/EE8681- MICROPROCESSOR AND MICROCONTROLLER
LABORATORY
YEAR / SEM : III / VI

COURSE OUTCOMES:

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C316.1	Design And Implement simple programs On 8085 Microprocessor.
2	C316.2	Design interfacing circuits with 8085
3	C316.3	Design and implement 8051 microcontroller based systems.
4	C316.4	Develop assembly language programs for various applications using 8051 microcontrollers.
5	C316.5	Develop Mini project development with processors.

COURSE CODE/ SUBJECT CODE & NAME : C317/ EE8611 & MINI PROJECT

YEAR / SEM : III / VI

Course Outcomes (COs)

S.NO.	COURSE CODE	COURSE OUTCOMES (COs)
1	C317.1	Ability to develop their own innovative prototype of ideas
2	C317.2	Student can Acquire the knowledge of the techniques, skills, and modern engineering tools necessary for implement the project.
3	C317.3	Ability to design and the solution of identified problem and Implement the same.
4	C317.4	Ability to analyze the outcomes of implemented solution.
5	C317.5	On Completion of the mini project work students will be in a position to take up their final year project work and find solution by formulating proper methodology