



SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 2

Teaching-Learning and Evaluation

Submitted by

IQAC

Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2	Teaching-Learning and Evaluation	350
-------------------	---	------------

Key Indicator-2.6 Student Performances and Learning Outcome (90)

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all programmes offered by the institution are stated and displayed on website

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS
ENGINEERING
R2013



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

I YEAR/I SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

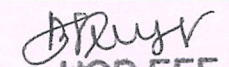
Course Code	Course Name	Course Outcome (CO) Students will be able to
HS6151	TECHNICAL ENGLISH-I	C101.1: Apply the collaborative and social aspects of research and writing processes.
		C101.2: Comprehend that research and writing is a series of tasks, including accessing, retrieving, evaluating, analyzing and synthesizing appropriate data and information from sources that vary in content, format, structure and scope.
		C101.3: Use appropriate technologies to organize, present and communicate information to address a range of audiences, purposes and genres.
		C101.4: Design the multidisciplinary settings to manage projects as an individual, as a member or leader after taking the exercises like role-play, group discussion and making presentations.
		C101.5: Model the life-long learning methods suitable for all the environments committed to professional ethics and responsibilities after inculcating the habit of reading and writing.
		C101.6: Analyze and identify the root for effective managerial skills through different spoken discourse and excerpts.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C101.1	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101.2	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101.3	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101.4	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101.5	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101.6	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-
C101	2	2	1	1	-	1	-	-	1	1	-	1	-	-	-

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation


DR. S. THILAGAVATHI, M.E., Ph.D.
 PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

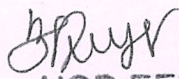
Course Code	Course Name	Course Outcome (CO) Students will be able to
MA6151	MATHEMATICS-I	C102.1: Describe a clear idea of matrix algebra pertaining eigen values and eigen vectors in addition dealing with quadratic forms.
		C102.2: Learn infinite series and their convergence and acquire the knowledge of with limitations.
		C102.3: Use infinite series approximations for solutions arising in mathematical modeling.
		C102.4: Explain and characterize phenomena which evolve around circle of curvature and envelope.
		C102.5: Extend the function of a one variable to several variables. Multivariable functions of real variables arise inevitable in engineering.
		C102.6: Expose to double and triple integration so that they can handle integrals of higher order which are applied in engineering field.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C102.1	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102.2	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102.3	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102.4	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102.5	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102.6	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-
C102	3	2	1	1	-	-	-	-	-	1	-	1	1	1	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkotta Dt.


 HOD EEE

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

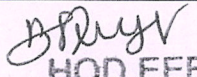
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
PH6151	ENGINEERING PHYSICS-I	C103.2 Classify the Bravais lattices and different types of crystal structures and growth technique.
		C103.2: Demonstrate the properties of elasticity and heat transfer through objects.
		C103.3: Explain black body radiation, properties of matter waves and Schrodinger wave equations.
		C103.4: Describe and analyzing the quantum nature of radiation and matter to solve the real time societal and technological problems.
		C103.5: Illustrate the acoustic requirements, production and application of ultrasonics.
		C103.6: Examine the characteristics of laser and optical fiber.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C103.1	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103.2	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103.3	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103.4	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103.5	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103.6	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C103	2	2	1	1	-	-	1	-	-	1	-	1	1	-	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

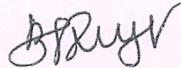
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
CY6151	ENGINEERING CHEMISTRY-I	C104.1: Classify the polymers, different polymerization techniques and its uses.
		C104.2: Describe the laws of thermodynamics, various thermodynamics functions and their significance.
		C104.3: Explain the photo physical processes and the components of analytical instruments.
		C104.4: Illustrate the phase diagrams, alloys and heat treatment processes
		C104.5: Discuss the synthesis, characteristics and the applications of nano materials.
		C104.6: Create the knowledge of nonmaterial's and their applications in fields like medicinal, electrical, electronic, chemical, etc.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C104.1	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104.2	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104.3	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104.4	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104.5	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104.6	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-
C104	3	2	1	1	-	-	1	-	-	1	-	1	1	-	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

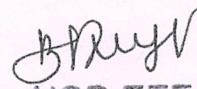
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6151	COMPUTER PROGRAMMING	C105.1: Explain the basic organization of computers, the number systems and write the pseudo code for algorithms and flow chart.
		C105.2: Develop 'C' programming fundamentals, looping statements and solve problems.
		C105.3: Design 'C' programs for arrays and strings.
		C105.4: Use functions with pass by value and reference, pointers in programs.
		C105.5: Develop coding in 'C' for structures and unions with storage classes and pre-processor.
		C105.6: Design and execute C programs for simple applications.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C105.1	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105.2	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105.3	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105.4	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105.5	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105.6	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1
C105	3	2	1	1	1	-	-	-	-	1	-	1	1	-	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6152	ENGINEERING GRAPHICS	C106.1: Construct the conic sections and special curves and outline their practical applications and sketch the orthographic views from pictorial views and models.
		C106.2: Apply the principles of orthographic projections of points in all quadrants, lines and planes in first quadrant.
		C106.3: Draw the projections of simple solids like prisms, pyramids, cylinder and cone and obtain the traces of plane figures.
		C106.4: Design the sectional views of solids like cube, prisms, pyramids, cylinders & cones and Development of its lateral surfaces.
		C106.5: Apply the principles of isometric projection and perspective projection of simple solids and truncated prisms, pyramids, cone and cylinders.
		C106.6: Build an engineering component using Paper drawing as well as in CAD.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C106.1	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106.2	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106.3	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106.4	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106.5	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106.6	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-
C106	3	2	1	1	-	1	-	-	-	1	-	-	1	-	-

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation

Dr. S. THILAKAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

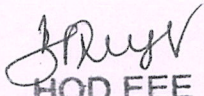
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6161	COMPUTER PRACTICES LABORATORY	C107.1: Prepare data using MS-word & Excel to visualize graphs, charts in MS-Excel.
		C107.2: Outline the given problem using flowchart and to program using Switch case & Control structures.
		C107.3: Develop the code using decision making & looping statements.
		C107.4: Apply passing parameters using Arrays & Functions.
		C107.5: Use structure and Union for a given database and to bring out the importance of Unions over structure.
		C107.6: Design and implement C programs for simple applications.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C107.1	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107.2	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107.3	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107.4	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107.5	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107.6	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1
C107	2	2	1	1	1	-	-	-	1	1	-	1	1	-	1


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

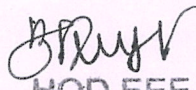
Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6162	ENGINEERING PRACTICES LABORATORY	C108.1: Demonstrate wiring for a simple residential house, identify the ratings of various appliances like Fluorescent tube, incandescent lamp, etc.
		C108.2: Calculate the different Electrical quantities, measure the energy consumption using single phase energy meter.
		C108.3: Measure the resistance to earth of an electrical equipment, analyze AC signal parameters using CRO.
		C108.4: Verify the Truth tables of Logic gates AND, OR, EOR and NOT, generate clock signal using suitable gates.
		C108.5: Develop soldering in a PCB, measure ripple factor of Half Wave Rectifier and Full Wave Rectifier.
		C108.6: Provide exposure to the students with hands-on experience on various basic engineering practices in Civil and Mechanical Engineering.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C108.1	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108.2	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108.3	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108.4	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108.5	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108.6	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-
C108	2	1	1	1	1	-	-	-	1	1	-	1	2	1	-


Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE

**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

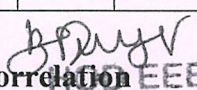
Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6163	PHYSICS AND CHEMISTRY LABORATORY-I	C109.1: Apply the physics principles of Thermal physics and Properties of Matter to evaluate properties of materials.
		C109.2: Evaluate the wavelength of spectral lines using spectrometer, the wavelength of laser, particle size, acceptance angle of an optical fiber using semiconductor diode laser and the thickness of a thin wire through interference fringes using Air wedge apparatus.
		C109.3: Appraise the velocity of sound and compressibility of the liquid using ultrasonic interferometer and thermal conductivity for bad conductors using Lee's disc apparatus.
		C109.4: Determine the DO content in water sample by winkler's method and molecular weight of polymer by Ostwald viscometer.
		C109.5: Find the strength of an acid using pH meter and conductometer.
		C109.6: Estimate the amount of weak and strong acids in a mixture by conductometer.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C109.1	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109.2	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109.3	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109.4	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109.5	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109.6	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C109	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-

*3-High correlation; 2-Medium correlation; 1-Low correlation; '-' No correlation


 DR. S. THIRUMALAI
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI - 622 303, PUDUKKOTTAI Dt.


 DR. S. THIRUMALAI
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

I YEAR/II SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
HS6251	TECHNICAL ENGLISH-II	C110.1: Speak clearly, confidently, comprehensibly, and communicate with one or many listeners using appropriate communicative strategies.
		C110.2: Define the impact of the professional engineering solution in societal and environmental contexts with the help of the basic grammar taught to communicate effectively and confidently.
		C110.3: Write cohesively and coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic.
		C110.4: Read different genres of texts adopting various reading strategies.
		C110.5: Listen/view and comprehend different spoken discourses/excerpts in different accents.
		C110.6: Recognize, understand, and analyze the context within which language, information, and knowledge are produced, managed, organized, and disseminated.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C110.1	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110.2	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110.3	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110.4	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110.5	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110.6	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-
C110	2	2	1	1	-	-	1	-	1	1	-	1	1	-	-

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation

Dr. S. THILAGAVATHI M.E. Ph.D.,
 PRINCIPAL

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
MA6251	MATHEMATICS-II	C111.1: Solve ordinary differential equations that model most of the engineering problems.
		C111.2: Acquaint the concepts of vector calculus-like Gradient, Divergence, Curl, Directional derivative, Irrotational vector and Solenoidal vector.
		C111.3: Make to appreciate the purpose of using transforms to create new domain in which it is easier to handle the problem that is being investigated.
		C111.4: Develop an Explaining of the standard techniques of complex variable and mapping so as to enable the student to apply them with confidence, in application areas such as heat conduction, elasticity, fluid dynamics and flow of electric current.
		C111.5: Expose to the concept of Cauchy's integral theorem, Taylor, Laurent expansions and Singular points.
		C111.6: Use Application of residue theorem to evaluate complex integrals.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C111.1	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111.2	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111.3	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111.4	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111.5	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111.6	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-
C111	2	2	2	1	-	-	-	-	-	1	-	1	1	1	-

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation

Dr. S. THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai-Dt.

Dr. S. THILAGAVATHI
 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
PH6251	ENGINEERING PHYSICS - II	C112.2 Illustrate classical and quantum free electron theory and calculate carrier concentration in metals.
		C112.2: Describe the carrier concentration in semi conductors and identify the p-type and n-type semi conductor using hall effect.
		C112.3: Illustrate the special material properties such as magnetism.
		C112.4: Discuss the super conductivity.
		C112.5: Explain the dielectrics, types of polarization, losses and breakdown
		C112.6: Discuss the properties, preparation and applications of metallic alloys, SMA, nano materials, NLO, Bio-materials.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C112.1	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112.2	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112.3	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112.4	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112.5	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112.6	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-
C112	2	2	1	1	-	1	1	-	-	1	-	1	1	-	-

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
 HOD EEE

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,

PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
CY6251	ENGINEERING CHEMISTRY-II	C113.1: Explain the problems of using hard water in boilers and the methods of treatment of water for boiler use.
		C113.2: Design the electrochemical cells and to identify the types of corrosion and the methods of preventing.
		C113.3: Illustrate the methods of harnessing energy from non-conventional energy sources.
		C113.4: Classify various engineering materials and their importance.
		C113.5: Relate the significance of solid, liquid and gaseous fuels and to calculate the calorific values of fuels and the requirement of air for combustion in furnaces.
		C113.6: Analyze issues related to fuels and their synthesis and able to understand working of IC and diesel engines.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C113.1	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113.2	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113.3	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113.4	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113.5	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113.6	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C113	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-

Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.

B. Praveen
HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI.

PUDUKKOTTAI - 622 303.

*3-High correlation; 2-Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6251	BASIC CIVIL AND MECHANICAL ENGINEERING	C114.1: Explain the working principles of various power plants and differentiate the pumps and turbines.
		C114.2: State the functions of IC engine and classify the various types of boilers.
		C114.3: Apply the principles of vapour absorption and compression systems and Explain the Operation of air conditioner.
		C114.4: Summarize the principles of surveying and use various measurements for surveying.
		C114.5: Discuss about various engineering materials and levelling instruments.
		C114.6: Classify the types of bridges, foundation, floorings, roofs, plasters and R.C.C structural members and state the purpose of dam.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C114.1	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114.2	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114.3	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114.4	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114.5	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114.6	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-
C114	3	2	1	1	-	-	-	-	-	1	-	-	1	-	-

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
HOD EEE

**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6201	CIRCUIT THEORY	C115.1: Apply Kirchoff's current and voltage law to simple circuits and Solve complex circuits using Mesh & Nodal Methods.
		C115.2: Apply Network theorems to solve simple and complex linear circuits.
		C115.3: Solve the Series and Parallel resonance circuit and analyze the performance of single & double tuned circuits.
		C115.4: Develop the Transient response of RLC circuits using Laplace Transform.
		C115.5: Explain the characteristics of two port networks.
		C115.6: Discuss three phase balanced and unbalanced star, delta network.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C115.1	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115.2	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115.3	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115.4	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115.5	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115.6	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-
C115	3	2	1	1	1	-	-	-	-	1	-	1	2	1	-

[Signature]
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

[Signature]
 HOD EEE

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303



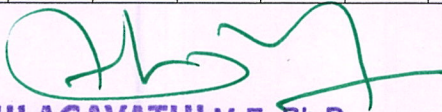
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

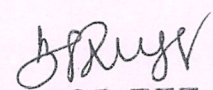
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6262	PHYSICS AND CHEMISTRY LABORATORY-II	C116.1: Appraise the Young's modulus of the beam by uniform and non uniform bending method, the moment of inertia and Rigidity Modulus for thin wire using Torsion Pendulum.
		C116.2: Use Poiseuille's method for determining the coefficient of viscosity of the liquid
		C116.3: Estimate the refractive index of spectral lines for determining the dispersive power of a prism circuit.
		C116.4: Determine the type, amount of alkalinity, hardness in a given water sample.
		C116.5: Evaluate the amount of copper using EDTA method.
		C116.6: Examine the potentiometric redox titration and Conductometric precipitation titration.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C116.1	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116.2	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116.3	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116.4	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116.5	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116.6	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-
C116	3	2	1	1	-	-	-	-	1	1	-	1	1	-	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


 HOD EEE

*3-High correlation; 2-Medium correlation; 1-Low correlation; '- No correlation

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.



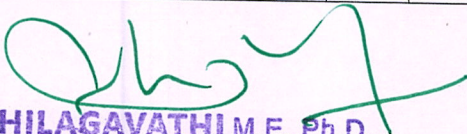
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

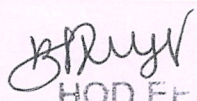
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6263	COMPUTER PROGRAMMING LABORATORY	C117.1: Explain UNIX Operating system and usage of file system.
		C117.2: Apply Shell Commands for a given task using filter and pipe commands.
		C117.3: Develop and implement the Shell scripts in VI editor.
		C117.4: Develop and Execute C Program on Unix environment.
		C117.5: Apply File handling in C to copy, merge and display the given file.
		C117.6: Design C program for problems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C117.1	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117.2	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117.3	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117.4	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117.5	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117.6	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1
C117	2	1	1	1	1	-	1	-	1	1	-	1	1	-	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation



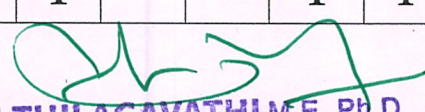
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

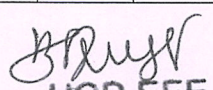
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6211	ELECTRIC CIRCUITS LABORATORY	C118.1: Apply KCL, KVL and Network Theorems to Simple and Complex circuits.
		C118.2: Demonstrate the working of CRO and Determine the Time Constant of RC circuit.
		C118.3: Determine frequency response of RLC circuits and Use MATLAB to simulate series, parallel resonant circuit, low pass, high pass filter.
		C118.4: Use MATLAB to simulate three phase balanced, unbalanced circuit.
		C118.5: Measure the power in three phase circuits by two wattmeter methods.
		C118.6: Determine h-parameters of Two port networks and Calibrate single phase energy meter.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C118.1	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118.2	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118.3	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118.4	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118.5	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118.6	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-
C118	2	1	1	1	1	-	-	1	1	1	-	-	1	1	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation



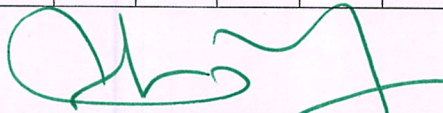
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

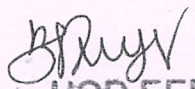
II YEAR/III SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
MA6351	TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS	C201.1: Explain about the basic concepts of PDE for solving standard partial differential equations.
		C201.2: Demonstrates the Fourier series analysis which is central to many applications in engineering.
		C201.3: Describe the applications of partial differential equations.
		C201.4: Develop an understanding of the Fourier transform techniques used in wide variety of situations.
		C201.5: Comprehend the effective mathematical tools for the solutions of partial differential equations that model several physical processes.
		C201.6: Design Z transform techniques for discrete time systems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C201.1	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201.2	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201.3	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201.4	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201.5	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201.6	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-
C201	2	2	1	1	-	-	-	-	-	1	-	1	1	-	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

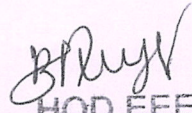
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6301	DIGITAL LOGIC CIRCUITS	C202.1: Comprehend various number systems and simplify the logical expressions using Boolean functions.
		C202.2: Explain about the combinational circuits.
		C202.3: Compute simulation using software package.
		C202.4: Design various synchronous sequential circuits.
		C202.5: Describe the asynchronous sequential circuits and PLDs.
		C202.6: Demonstrate the concepts of VHDL and its simulation.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C202.1	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202.2	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202.3	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202.4	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202.5	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202.6	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1
C202	2	2	2	1	1	-	-	-	-	1	-	1	2	1	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6302	ELECTROMAGNETIC THEORY	C203.1 Comprehend the basic mathematical concepts related to electromagnetic vector fields.
		C203.2: Explain the basic concepts about electrostatic fields, electrical potential, energy density and their applications.
		C203.3: Discuss about the magneto static fields, magnetic flux density, vectorpotential and its applications.
		C203.4: Describe the different methods of emf generation and Maxwell's equations.
		C203.5: Illustrate about the concepts of electromagnetic waves and Pointing vector.
		C203.6: Demonstrate the types of waves and characterizing parameter.

CO-PO MAPPING

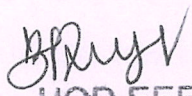
CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C203.1	3	3	1	1	-	-	-	-	-	1	-	1	2	2	-
C203.2	2	1	1	1	-	-	-	-	-	1	-	1	2	2	-
C203.3	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C203.4	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C203.5	2	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C203.6	2	1	1	1	-	-	-	-	-	1	-	1	2	2	-
C203	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-


Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

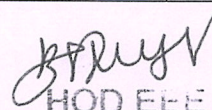
Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6351	ENVIRONMENTAL SCIENCE AND ENGINEERING	C204.1: Implement and discuss about the scientific, technological, economic and political solutions to environmental problems.
		C204.2: Comprehend the interrelationship between living organism and environment.
		C204.3: Describe about the importance of environment by assessing its impact on the human world: envision the surrounding environment, its functions and its value.
		C204.4: Explain the dynamic processes and the features of the earth's interior and surface.
		C204.5: Discuss about the integrated themes and biodiversity, natural resources.
		C204.6: Demonstrate the concept of pollution control and waste management.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C204.1	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204.2	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204.3	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204.4	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204.5	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204.6	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-
C204	-	-	-	-	-	3	1	1	-	1	-	1	-	-	-


Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

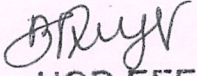
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EC6202	ELECTRON DEVICES AND CIRCUITS	C205.1: Comprehend the structure of basic electronic devices.
		C205.2: Explain about the half wave and full wave rectifiers.
		C205.3: Describe the operation and applications of transistor like BJT and FET.
		C205.4: Illustrate the characteristics of BJT and MOSFET based amplifier and its frequency response.
		C205.5: Demonstrate the characteristics of multi stage amplifier and differential amplifier.
		C205.6: Discuss on design and analysis of feedback amplifiers and oscillators.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C205.1	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205.2	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205.3	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205.4	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205.5	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205.6	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-
C205	2	2	2	2	-	1	-	-	-	1	-	1	2	1	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

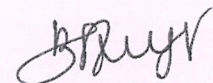
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6303	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	C206.1: Explain the concept of the IC fabrication procedure.
		C206.2: Describe about the characteristics; realize circuits; design for signal analysis using Op-amp. ICs.
		C206.3: Define the applications of Op-amp.
		C206.4: Illustrate the internal functional blocks and the applications of special ICs like Timers, PLL circuits.
		C206.5: Comprehend about the regulator Circuits, ADCs.
		C206.6: Discuss the application of ICs.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C206.1	2	1	1	1	-	1	-	-	-	1	-	1	2	1	-
C206.2	2	1	1	1	-	1	-	-	-	1	-	1	2	1	-
C206.3	3	2	1	1	-	1	-	-	-	1	-	1	2	1	-
C206.4	3	2	1	1	-	1	-	-	-	1	-	1	2	1	-
C206.5	2	2	1	1	-	1	-	-	-	1	-	1	2	1	-
C206.6	2	1	1	1	-	1	-	-	-	1	-	1	2	1	-
C206	3	2	1	1	-	1	-	-	-	1	-	1	2	1	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAL - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-‘ No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

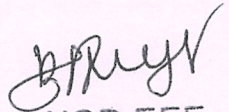
Course Code	Course Name	Course Outcome (CO) Students will be able to
EC6361	ELECTRONICS LABORATORY	C207.1: Describe about the characteristics of Semiconductor diode and Zener diode and NPN Transistor.
		C207.2: Discuss the characteristics of JFET and UJT and draw the equivalent circuit and generation of saw tooth waveforms.
		C207.3: Demonstrate about the characteristics of photo diode & photo transistor, light activated relay circuit.
		C207.4: Design the RC phase shift and LC oscillators.
		C207.5: Explain on the Single Phase half-wave and full wave rectifiers and passive filters.
		C207.6: Comprehend on the Differential amplifiers using FET and CRO.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C207.1	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207.2	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207.3	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207.4	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207.5	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207.6	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-
C207	2	2	2	1	1	-	-	-	1	1	-	1	3	1	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

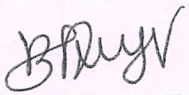
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6311	LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY	C208.1: Implement the Boolean Functions, Adder/ Subtractor circuits and code converters.
		C208.2: Discuss about the Parity generator and parity checking and Encoders and Decoders.
		C208.3: Design and implement the counter and Shift Registers.
		C208.4: Explain about the multiplexer and de-multiplexer and Timer IC application.
		C208.5: Comprehend the Application of Op-Amp.
		C208.6: Describe about the VCO and PLL ICs.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C208.1	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208.2	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208.3	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208.4	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208.5	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208.6	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-
C208	2	1	1	1	-	1	-	-	1	1	-	1	2	1	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

II YEAR/IV SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
MA6459	NUMERICAL METHODS	C209.1: Comprehend the basic concepts of solving algebraic and transcendental equations.
		C209.2: Discuss the numerical techniques of interpolation in various intervals in real life situations.
		C209.3: Explain the numerical techniques of differentiation.
		C209.4: Develop an understanding of the integration which plays an important role in engineering and technology disciplines.
		C209.5: Discuss about the various techniques and methods of solving ordinary differential equations.
		C209.6: Comprehend the knowledge of various techniques and methods of solving various types of partial differential equations.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C209.1	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209.2	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209.3	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209.4	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209.5	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209.6	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1
C209	3	3	2	2	2	2	-	-	-	2	-	1	2	1	1

Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

HOD EEE

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6401	ELECTRICAL MACHINES - I	C210.1: Comprehend the techniques of magnetic-circuit analysis and magnetic materials.
		C210.2: Explain about the constructional, the principle of operation and testing of single and three phase transformers.
		C210.3: Describe about the working principles of electrical machines using the concepts of electromechanical energy conversion principles.
		C210.4: Design the expressions for generated voltage and torque developed in all Electrical Machines.
		C210.5: Demonstrate the working of DC machines as Generator types, no- load/load characteristics, starting and methods of speed control of motors.
		C210.6: Estimate the various losses taking place in D.C. Motor and the different testing methods.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C210.1	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210.2	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210.3	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210.4	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210.5	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210.6	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C210	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-

HOD EEE

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation

Dr. S. THILAGAVATHI M.E., Ph.D.
PRINCIPAL
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

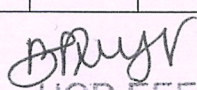
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
CS6456	OBJECT ORIENTED PROGRAMMING	C211.2 Summarize the basic knowledge on Object Oriented concepts.
		C211.2: Describe the characteristics of object oriented programming through C++.
		C211.3: Demonstrate on the implementation features of object oriented programming to solve real world problems.
		C211.4: Discuss the overview of Java.
		C211.5: Explain about the Packages and Interfaces, Exception handling.
		C211.6: Comprehend on the Multithreaded programming, Strings, Input/Output.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C211.1	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211.2	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211.3	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211.4	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211.5	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211.6	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2
C211	2	2	2	2	2	-	-	-	-	2	-	1	2	-	2


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation
 SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

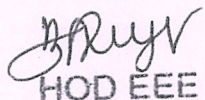
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6402	TRANSMISSION AND DISTRIBUTION	C212.1: Develop expressions for the computation of transmission line parameters.
		C212.2: Explain the equivalent circuits for the transmission lines based on distance and compute operating voltage for determining voltage regulation and efficiency.
		C212.3: Discuss the method to improve the voltage profile of the transmission system.
		C212.4: Analyses the voltage distribution in insulator strings and cables and methods to improve the same.
		C212.5: Describe the operation of the different distribution schemes.
		C212.6: Comprehend Mechanical design of lines and Grounding.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C212.1	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212.2	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212.3	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212.4	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212.5	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212.6	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1
C212	3	3	1	1	-	1	1	-	-	1	-	1	2	1	1


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



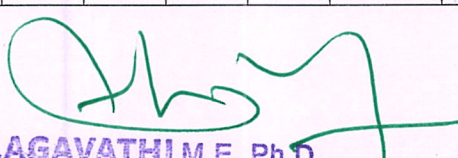
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

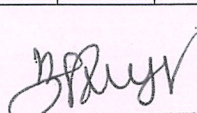
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6403	DISCRETE TIME SYSTEMS AND SIGNAL PROCESSING	C213.1: Comprehend on classification of signals and systems & their mathematical representation.
		C213.2: Analyze the discrete time systems.
		C213.3: Describe about the various transformation techniques & their computation.
		C213.4: Illustrate about filters and their design for digital implementation.
		C213.5: Demonstrate about a programmable digital signal processor.
		C213.6: Explain the quantization effects.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C213.1	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213.2	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213.3	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213.4	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213.5	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213.6	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1
C213	3	2	2	1	1	-	-	-	-	1	-	1	2	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation




SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

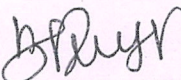
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6404	MEASUREMENTS AND INSTRUMENTATION	C214.1: Explain about the basic functional elements of instrumentation.
		C214.2: Discuss the fundamentals of electrical and electronic instruments.
		C214.3: Compare between various measurement techniques.
		C214.4: Discuss on the various storage and display devices.
		C214.5: Describe on the various transducers.
		C214.6: Demonstrate about the data acquisition systems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C214.1	2	1	1	1	-	-	-	-	-	1	-	1	2	2	-
C214.2	2	1	1	1	-	-	-	-	-	1	-	1	2	2	-
C214.3	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C214.4	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C214.5	2	2	1	1	-	-	-	-	-	1	-	1	2	2	-
C214.6	2	1	1	1	-	-	-	-	-	1	-	1	2	2	-
C214	3	2	1	1	-	-	-	-	-	1	-	1	2	2	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI
 PUDUKKOTTAI - 622 303.

***3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation**



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
CS6461	OBJECT ORIENTED PROGRAMMING LABORATORY	C215.1: Explain the object-oriented concepts through C++ & JAVA.
		C215.2: Implement C++ programme using functions and simple classes for understanding objects, member functions & constructors.
		C215.3: Compute C++ on compile time and run time polymorphism.
		C215.4: Execute simple java applications and simple package creation in Java.
		C215.5: Discuss on the interfaces and threading in Java.
		C215.6: Comprehend on the exception handling mechanism in java.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C215.1	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215.2	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215.3	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215.4	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215.5	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215.6	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2
C215	2	2	2	2	1	-	-	-	1	1	-	1	2	1	2

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
HOD EEE

**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-'- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI - 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

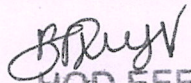
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6411	ELECTRICAL MACHINES LABORATORY - I	C216.1: Comprehend on the open circuit and load characteristics of DC shunt generator and DC compound generator.
		C216.2: Explain about the Load test on DC shunt, compound motor and series motor.
		C216.3: Demonstrate the speed control of DC shunt motor and Hopkinson's test on DC motor – generator set.
		C216.4: Design and implement Load test and Open circuit and short circuit tests on single-phase transformer and three phase transformers.
		C216.5: Describe on the separation of no-load losses in single phase transformer.
		C216.6: Discuss about starters and 3-phase transformers connections.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C216.1	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216.2	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216.3	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216.4	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216.5	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216.6	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-
C216	2	1	1	1	1	-	-	-	1	1	-	1	2	2	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

III YEAR/V SEMESTER

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6501	POWER SYSTEM ANALYSIS	C301.1: Design the power system under steady state operating condition.
		C301.2: Explain and apply iterative techniques for power flow analysis.
		C301.3: Describes on Fault analysis concepts on Balanced faults.
		C301.4: Discuss about Fault analysis concepts on Unbalanced faults.
		C301.5: Comprehend the importance of stability analysis in power system planning and operation.
		C301.6: Describe about the Single Machine Infinite Bus (SMIB) system.


CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C301.1	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301.2	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301.3	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301.4	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301.5	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301.6	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1
C301	3	2	2	2	1	1	1	-	-	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


REGULATION 2013

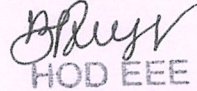
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6502	MICROPROCESSORS AND MICROCONTROLLERS	C302.1: Explain the Architecture of 8085 & 8051.
		C302.2: Describe the addressing modes & instruction set of 8085 & 8051.
		C302.3: Discuss the need & use of Interrupt structure 8085 & 8051.
		C302.4: Develop skill in simple applications development with programming 8085 & 8051
		C302.5: Explain about the commonly used peripheral / interfacing.
		C302.6: Develop the Microcontroller programming and applications.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C302.1	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302.2	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302.3	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302.4	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302.5	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302.6	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2
C302	2	2	2	2	1	-	-	-	-	1	-	1	2	2	2


Dr. S. THILAGAVATHI M.E., Ph.D.
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
ME6701	POWER PLANT ENGINEERING	C303.1: Explain the layout, construction and working of the components inside a thermal power plant.
		C303.2: Describe about the layout, construction and working of the components inside a Diesel, Gas and Combined cycle power plants.
		C303.3: Demonstrate the layout, construction and working of the components inside nuclear power plants.
		C303.4: Illustrate the layout, construction and working of the components inside Renewableenergy power plants.
		C303.5: Discuss on the power plant economics and environmental hazards and estimate the costs of electrical energy production.
		C303.6: Comprehend on the applications of power plants.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C303.1	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303.2	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303.3	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303.4	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303.5	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303.6	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1
C303	3	2	2	2	-	2	2	-	-	2	-	2	2	2	1

Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

B. R. Srinivasan
HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6503	POWER ELECTRONICS	C304.1 Discuss on the different types of power semiconductor devices and their switching.
		C304.2: Explain about Operation, characteristics and performance parameters of controlled rectifiers.
		C304.3: Describe about Operation, switching techniques and basics topologies of DC-DC switching regulators.
		C304.4: Comprehend about Operation of AC voltage controller and various configurations.
		C304.5: Demonstrate the different modulation techniques of pulse width modulated inverters and to comprehend harmonic reduction methods.
		C304.6: Explain on the converters for real time applications.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C304.1	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304.2	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304.3	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304.4	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304.5	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304.6	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1
C304	3	2	1	1	1	1	-	-	-	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN

Kaikkurichi - 622 303, Pudukkottai Dt.



HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,

PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



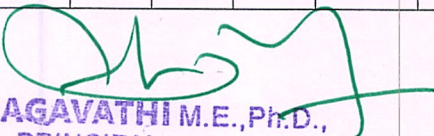
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

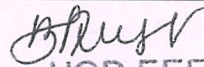
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6504	ELECTRICAL MACHINES - II	C305.1: Comprehend the construction and performance of salient and non salient type synchronous generators.
		C305.2: Explain about Principle of operation and performance of synchronous motor.
		C305.3: Describe about the construction, principle of operation and performance of induction machines.
		C305.4: Comprehend about the Starting and speed control of three-phase induction motors.
		C305.5: Demonstrate the construction, principle of operation and performance of single phase induction motor.
		C305.6: Illustrate on construction, principle of operation Special machines.

CO-PO MAPPING

CO	PROGRAM OUTCOMES										PSO				
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C305.1	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305.2	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305.3	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305.4	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305.5	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305.6	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-
C305	3	2	2	2	-	-	-	-	-	2	-	2	2	1	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


REGULATION 2013

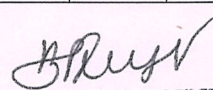
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
IC6501	CONTROL SYSTEMS	C306.1: Explain the use of transfer function models for analysis physical systems and introduce the control system components.
		C306.2: Comprehend the time response of systems and steady state error analysis.
		C306.3: Discuss about the open loop and closed-loop frequency responses of systems.
		C306.4: Describe about the stability analysis and design of compensators.
		C306.5: Demonstrate about the variable representation of physical systems.
		C306.6: Explain about the effect of state feedback in control system.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C306.1	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306.2	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306.3	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306.4	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306.5	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306.6	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-
C306	3	2	2	1	1	-	-	-	-	1	-	1	2	2	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
 KAIKKURICHI - 622 303, Pudukkottai Dt.


HOD EEE
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

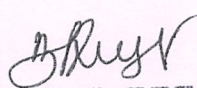
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6511	CONTROL AND INSTRUMENTATION LABORATORY	C307.1: Explain the control theory and apply them to electrical engineering problems.
		C307.2: Analyse the various types of converters.
		C307.3: Design the various types of compensators.
		C307.4: Illustrate the basic concepts of bridge networks.
		C307.5: Demonstrate the basics of signal conditioning circuits.
		C307.6: Compute the simulation packages.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C307.1	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307.2	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307.3	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307.4	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307.5	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307.6	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1
C307	3	2	2	1	1	-	-	-	1	1	-	1	2	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6674	COMMUNICATION AND SOFT SKILLS LABORATORY	C308.1: Explain about the corporate etiquette -organizing and managing professional events and will comprehend how reading will enhances their communicative competency.
		C308.2: Discuss to make effective communication and presentations.
		C308.3: Develop adequate soft skills required for the workplace.
		C308.4: Discuss about the equipment with Business correspondence.
		C308: Develop all around personalities with a mature outlook to function effectively in different circumstances.
		C308.6: Develop their confidence and help the attend interviews successfully.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C308.1	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308.2	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308.3	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308.4	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308.5	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308.6	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1
C308	-	-	1	1	1	1	1	1	1	1	1	1	-	-	1

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

[Signature]
HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-'- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

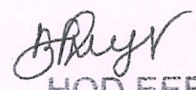
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6512	ELECTRICAL MACHINES LABORATORY - II	C309.1: Discuss and analyze EMF and MMF methods.
		C309.2: Analyze the characteristics of V and Inverted V curves.
		C309.3: Demonstrate about the importance of Synchronous machines.
		C309.4: Explain about performance of the load test on single and three-phase induction motor.
		C309.5: Describe on the importance of Induction Machines.
		C309.6: Comprehend on the separation of losses on induction motor.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C309.1	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309.2	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309.3	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309.4	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309.5	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309.6	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-
C309	2	2	1	1	1	-	-	-	1	1	-	1	3	2	-


Dr. S.THILAGAVATHI M.E.,Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-‘ No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

III YEAR/VI SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EC6651	COMMUNICATION ENGINEERING	C310.1: Comprehend the different methods of analog communication and their significance.
		C310.2: Explain about the Digital Communication methods for high bit rate transmission.
		C310.3: Describe about the Concepts of source and line coding techniques for enhancing rating of transmission of minimizing the errors in transmission.
		C310.4: Discuss about the MAC used in communication systems for enhancing the number of users.
		C310.5: Explain the various media for digital communication.
		C310.6: Discuss and analyse, linear and digital electronic circuits

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C310.1	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310.2	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310.3	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310.4	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310.5	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310.6	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1
C310	3	2	1	1	1	1	1	-	-	1	-	1	2	1	1

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
HOD EEE

**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; - No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6601	SOLID STATE DRIVES	C311.1: Describe about the steady state operation and transient dynamics of a motor load system.
		C311.2: Comprehend and analyze the operation of the converter/chopper fed dc drive, both qualitatively and quantitatively.
		C311.3: Explain the operation and performance of Induction motor drives.
		C311.4: Comprehend the operation and performance of Synchronous motor drives.
		C311.5: Analyze and design the current and speed controllers for a closed loop solid state DC motor drive.
		C311.6: Explain and apply basic science, circuit theory, Electro-magnetic field theory control theory and apply them to electrical engineering problems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C311.1	3	1	1	1	-	1	-	-	-	1	-	1	2	2	-
C311.2	2	1	1	1	-	1	-	-	-	1	-	1	2	2	-
C311.3	3	2	1	1	-	1	-	-	-	1	-	1	2	2	-
C311.4	3	2	1	1	-	1	-	-	-	1	-	1	2	2	-
C311.5	2	2	1	1	-	1	-	-	-	1	-	1	2	2	-
C311.6	2	1	1	1	-	1	-	-	-	1	-	1	2	2	-
C311	3	2	1	1	-	1	-	-	-	1	-	1	2	2	-

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)

HOD EE
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

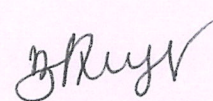
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6602	EMBEDDED SYSTEMS	C312.1 Explain and analyze Embedded systems.
		C312.2: Discuss about the suggestion of suitable embedded system for a given application.
		C312.3: Comprehend about the operation on various Embedded Development Strategies.
		C312.4: Summarize the bus Communication in processors.
		C312.5: Describe on various processor scheduling algorithms.
		C312.6: Demonstrate basics of Real time operating system.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C312.1	2	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312.2	2	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312.3	3	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312.4	3	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312.5	2	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312.6	2	2	2	2	2	-	-	-	-	2	-	2	2	2	2
C312	3	2	2	2	2	-	-	-	-	2	-	2	2	2	2


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6603	POWER SYSTEM OPERATION AND CONTROL	C313.1: Explain about the overview of power system operation and control.
		C313.2: Design power-frequency dynamics and to design power-frequency controller.
		C313.3: Discuss about modeling of reactive power-voltage interaction and the control actions to be implemented for maintaining the voltage profile against varying system load.
		C313.4: Explain about the economic operation of power system.
		C313.5: Describe about the SCADA and its application for real time operation and control of power systems.
		C313.6: Comprehend and analyze power system operation, stability, control and protection.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C313.1	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313.2	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313.3	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313.4	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313.5	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313.6	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2
C313	3	2	2	2	2	2	2	-	-	2	-	2	2	2	2

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
HOD EEE

SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6604	DESIGN OF ELECTRICAL MACHINES	C314.1: Explain about the mmf calculation and thermal rating of various types of electrical machines.
		C314.2: Design armature and field systems for D.C. machines.
		C314.3: Design the core, yoke, windings and cooling systems of transformers.
		C314.4: Discuss about the sketching of the design of stator and rotor of induction machines.
		C314.5: Describe about the stator and rotor of synchronous machines and their thermal behavior.
		C314.6: Design and analyze electrical apparatus and their application to power system.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C314.1	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314.2	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314.3	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314.4	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314.5	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314.6	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-
C314	3	3	3	2	2	2	-	-	-	2	-	2	2	2	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6002	POWER SYSTEM TRANSIENTS	C315.1: Discuss about the importance of the study of transients and the causes for transients.
		C315.2: Explain the generation of switching transients and their control using circuit – theoretical concept.
		C315.3: Comprehend the mechanism of lightning strokes and the production of lightning surges.
		C315.4: Illustrate about the propagation, reflection and refraction of travelling waves.
		C315.5: Explain the impact of voltage transients caused by faults, circuit breaker action, load rejection on integrated power system.
		C315.6: Describe and analyze power system operation, stability, control and protection.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C315.1	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315.2	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315.3	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315.4	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315.5	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315.6	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-
C315	3	2	1	1	1	-	1	-	-	1	-	1	2	2	-


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-‘ No correlation




SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

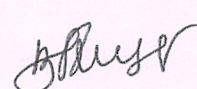
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6611	POWER ELECTRONICS AND DRIVES LABORATORY	C316.1: Explain the converter and inverter circuits and apply software for engineering problems.
		C316.2: Experiment about switching characteristics of the various switches.
		C316.3: Analyse about AC to DC converter circuits.
		C316.4: Illustrate about DC to AC circuits.
		C316.5: Comprehend on AC to AC converters.
		C316.6: Discuss on the simulation software.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C316.1	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316.2	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316.3	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316.4	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316.5	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316.6	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1
C316	3	2	1	1	1	-	-	-	1	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation




SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAL- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6612	MICROPROCESSORS AND MICROCONTROLLERS LABORATORY	C317.1: Explain about programming microprocessors and microcontrollers and explain the interface requirements.
		C317.2: Execute program with Simulators/Emulators/open source.
		C317.3: Demonstrate the basic instructions with 8051 Micro controller execution.
		C317.4: Discuss about the interface with A/D & D/A and with DC & AC motor.
		C317.5: Explain and analyse, linear and digital electronic circuits.
		C317.6: Describe and apply computing platform and software for engineering problems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C317.1	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317.2	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317.3	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317.4	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317.5	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317.6	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1
C317	2	2	2	1	1	-	-	-	1	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAL - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

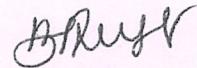
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6613	PRESENTATION SKILLS AND TECHNICAL SEMINAR	C318.1: Explain about the advanced industrial engineering developments.
		C318.2: Discuss about the various teaching aids such as overhead projectors, power point presentation and demonstrative models.
		C318.3: Identify and compare technical and practical issues related to the area of seminar.
		C318.4: Describe about the preparation of a well organized report employing the elements of technical writing and critical thinking.
		C318.5: Demonstrate on preparation and presentation of technical reports.
		C318.6: Explain about facing of the placement interviews with confidence.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C318.1	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318.2	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318.3	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318.4	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318.5	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318.6	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2
C318	2	2	2	1	-	-	-	-	1	1	-	1	2	-	2


 Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



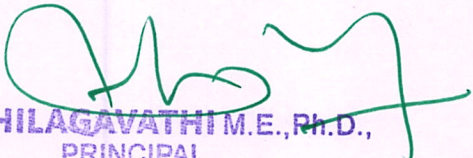
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

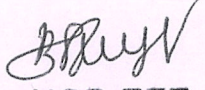
IV YEAR/VII SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6701	HIGH VOLTAGE ENGINEERING	C401.1: Comprehend the Transients in power system.
		C401.2: Illustrate about the Generation and measurement of high voltage.
		C401.3: Discuss about the High voltage testing.
		C401.4: Describe about the various types of over voltages in power system.
		C401.5: Demonstrate the measurement of over voltages.
		C401.6: Explain about the testing of power apparatus and insulation coordination.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C401.1	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401.2	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401.3	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401.4	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401.5	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401.6	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1
C401	2	2	1	1	-	1	-	-	-	1	-	1	3	2	1


Dr. S.THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurchi - 622 303, Pudukkottai Dt.


 HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-'- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

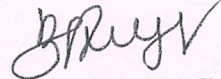
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6702	PROTECTION AND SWITCHGEAR	C402.1: Explain about the causes of abnormal operating conditions (faults, lightning and switching surges) of the apparatus and system.
		C402.2: Discuss about the characteristics and functions of relays and protection schemes.
		C402.3: Discuss on the apparatus protection.
		C402.4: Describe on static and numerical relays.
		C402.5: Demonstrate about the function of circuit breakers.
		C402.6: Comprehend and analyze power system operation, stability, control and protection.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C402.1	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402.2	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402.3	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402.4	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402.5	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402.6	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1
C402	3	2	1	1	-	1	1	-	-	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI
 PUDUKKOTTAI - 622 303.

***3-High correlation; 2- Medium correlation; 1-Low correlation; '-'- No correlation**



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6703	SPECIAL ELECTRICAL MACHINES	C403.1: Comprehend on construction, principle of operation and performance of synchronous reluctance motors.
		C403.2: Demonstrate on construction, principle of operation, control and performance of stepping motors.
		C403.3: Discuss the construction, principle of operation, control and performance of switched reluctance motors.
		C403.4: Explain the Construction, principle of operation and performance of permanent magnet synchronous motors.
		C403.5: Describe about the construction, principle of operation and performance of permanent magnet synchronous motors.
		C403.6: Design and analyze electrical apparatus and their application to power system.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C403.1	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403.2	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403.3	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403.4	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403.5	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403.6	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1
C403	3	2	1	1	1	1	-	-	-	1	-	-	3	2	1

Dr. **S. THILAGAVATHI** M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.

HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-’ No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
MG6851	PRINCIPLES OF MANAGEMENT	C404.1: Explain about the basic concepts of management and organizations and evolution of it.
		C404.2: Discuss about the purpose of planning, planning tools and techniques.
		C404.3: Describe about nature and purpose of organizing and its type.
		C404.4: Demonstrate on foundations of individual and group behavior and directing.
		C404.5: Illustrate about the system and process of controlling.
		C404.6: Comprehend on the evolution of Management, to study the functions and principles of management and to learn the application of the principles in an organization.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C404.1	-	-	-	-	-	2	2	-	1	-	1	1	1	-	-
C404.2	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-
C404.3	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-
C404.4	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-
C404.5	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-
C404.6	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-
C404	-	-	-	-	-	1	1	-	1	-	1	1	1	-	-

(Signature)
Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 Kaikkurichi - 622 303, Pudukkottai Dt.

(Signature)
HOD EEE

**SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN**
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

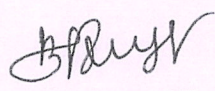
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6004	Flexible AC Transmission Systems	C405.1: Explain about the reactive power control techniques.
		C405.2: Describe about the static VAR compensators and their applications.
		C405.3: Discuss on Thyristor controlled series capacitors.
		C405.4: Illustrate on STATCOM devices.
		C405.5: Explain about the concepts of FACTS controllers.
		C405.6: Comprehend and analyze power system operation, stability, control and protection.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C405.1	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405.2	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405.3	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405.4	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405.5	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405.6	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1
C405	3	2	1	1	-	1	1	-	-	1	-	1	3	1	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

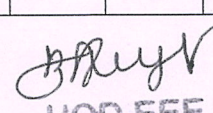
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6008	MICROCONTROLLER BASED SYSTEM DESIGN	C406.1: Explain about the architecture of PIC microcontroller.
		C406.2: Discuss about the use of interrupts and timers.
		C406.3: Demonstrate on the peripheral devices for data communication and transfer.
		C406.4: Illustrate about the functional blocks of ARM processor.
		C406.5: Comprehend on the architecture of ARM processors.
		C406.6: Discuss and apply computing platform and software for engineering problems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C406.1	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406.2	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406.3	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406.4	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406.5	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406.6	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1
C406	2	2	1	1	-	1	-	-	-	1	-	-	2	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '- No correlation



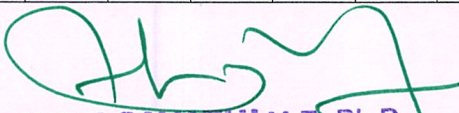
SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

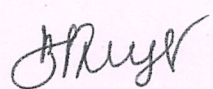
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6711	POWER SYSTEM SIMULATION LABORATORY ABORATORY	C407.1: Explain about the power system analysis through digital simulation.
		C407.2: Discuss on Formation of Bus Admittance and Impedance Matrices and Solution of Networks.
		C407.3: Compute the Parameters and Modelling of Transmission Lines.
		C407.4: Analyze the fault and load flow.
		C407.5: Comprehend about the economic dispatch and analyze the electromagnetic transients.
		C407.6: Describe about the transient stability analysis of Single-Machine Infinite Bus System and the Multi machine Power Systems.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P0 10	P0 11	P0 12	PSO 1	PSO 2	PSO 3
C407.1	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407.2	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407.3	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407.4	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407.5	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407.6	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-
C407	3	2	2	2	2	2	-	-	2	2	-	2	2	2	-


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; 0- No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

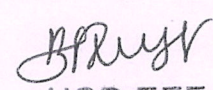
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6712	COMPREHENSION	C408.1: Describe the basic concepts of electrical and electronics subjects.
		C408.2: Solve objective type questions in the field of electrical and electronics engineering
		C408.3: Review, prepare and present technological developments
		C408.4: Analyze the modern trends in the field of electrical and electronics engineering.
		C408.5: Answer effectively during technical interviews.
		C408.6: Participate in group discussion.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C408.1	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408.2	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408.3	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408.4	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408.5	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408.6	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1
C408	1	1	1	1	-	-	1	1	1	1	1	1	2	1	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-‘ No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


IV YEAR/VIII SEMESTER
REGULATION 2013
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6801	ELECTRIC ENERGY GENERATION, UTILIZATION AND CONSERVATION	C409.1: Analyze the various concepts behind renewable energy resources.
		C409.2: Clarify about the energy saving concept by different ways of illumination.
		C409.3: Illustrate about the different methods of electric heating and electric welding.
		C409.4: Explain about Solar Radiation and Solar Energy Collectors.
		C409.5: Describe the concepts of Wind Energy and its utilization.
		C409.6: Discuss about the handling of the engineering aspects of electrical energy generation and utilization.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C409.1	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409.2	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409.3	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409.4	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409.5	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409.6	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1
C409	3	2	2	1	-	1	1	-	-	1	-	1	3	2	1


Dr. S. THILAGAVATHI M.E., Ph.D.,
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; ‘-’ No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI- 622 303

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6009	Power Electronics for Renewable Energy Systems	C410.1: Discuss about the stand alone and grid connected renewable energy systems.
		C410.2: Explain about the equipment of required skills to derive the criteria for the design of power converters for renewable energy applications.
		C410.3: Analyze and comprehend the various operating modes of wind electrical generators and solar energy systems.
		C410.4: Design different power converters namely AC to DC, DC to DC and AC to AC converters for renewable energy systems.
		C410.5: Develop maximum power point tracking algorithms.
		C410.6: Comprehend and analyze power system operation, stability, control and protection.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C410.1	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410.2	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410.3	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410.4	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410.5	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410.6	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1
C410	3	3	1	1	-	1	1	1	-	1	1	1	3	2	1

Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt,

B. Pragasam
HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

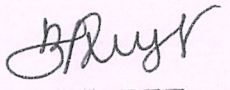
B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
GE6075	PROFESSIONAL ETHICS IN ENGINEERING	C411.1: Describe about Human Values, Moral values and integrity.
		C411.2: Explain about variety of moral issues, types of inquiry and Moral dilemmas and Moral Autonomy.
		C411.3: Discuss about Engineering as social experimentation.
		C411.4: Explain about the Safety and responsibility, rights of engineers in society.
		C411.5: Comprehend about the Global issues in the society.
		C411.6: Demonstrate on applying ethics in society, discuss the ethical issues related to engineering and realize the responsibilities and rights in the society.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C411.1	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411.2	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411.3	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411.4	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411.5	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411.6	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-
C411	3	2	2	2	-	-	2	2	-	2	1	1	3	-	-


Dr. S. THILAGAVATHI M.E., Ph.D.
 PRINCIPAL
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 Kaikkurichi - 622 303, Pudukkottai Dt.


HOD EEE
 SRI BHARATHI ENGINEERING
 COLLEGE FOR WOMEN
 KAIKKURICHI,
 PUDUKKOTTAI - 622 303,

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation



SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
KAIKKURICHI, PUDUKKOTTAI- 622 303
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION 2013

B.E. EEE - COURSE OUTCOMES (CO)

Course Code	Course Name	Course Outcome (CO) Students will be able to
EE6811	PROJECT WORK	C412.1: Discuss about the current real life Industrial exposure.
		C412.2: Develop the ability to solve a specific problem right from its identification and literature review till the successful solution of the same.
		C412.3: Explain about the preparation of project reports and to face reviews and viva voce examination.
		C412.4: Discuss about the acquiring of their own innovative proto type of ideas.
		C412.5: Describe about the communication and report effectively project related activities and findings.
		C412.6: Demonstrate about the working as individual or in a team in development of technical projects.

CO-PO MAPPING

CO	PROGRAM OUTCOMES												PSO		
	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO 1	PSO 2	PSO 3
C412.1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412.2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412.3	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412.4	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412.5	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412.6	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2
C412	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2

Dr. S. THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurichi - 622 303, Pudukkottai Dt.

HOD/EEE

HOD EEE

SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303.

*3-High correlation; 2- Medium correlation; 1-Low correlation; '-' No correlation