



THAMIRABHARANI ENGINEERING COLLEGE

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

Chathirampudukulam, Chidambaranagar - Vepemkulam Road,
Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

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As it is Qualitative Metric Sample is enclosed


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THAMIRABHARANI ENGINEERING COLLEGE
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**ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
B.E. CIVIL ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM**

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) :

- I. To prepare students for successful careers in Civil Engineering field that meets the needs of Indian and multinational companies.
- II. To develop the confidence and ability among students to synthesize data and technical concepts and thereby apply it in real world problems.
- III. To develop students to use modern techniques, skill and mathematical engineering tools for solving problems in Civil Engineering.
- IV. To provide students with a sound foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyse engineering problems and to prepare them for graduate studies.
- V. To promote students to work collaboratively on multi-disciplinary projects and make them engage in life-long learning process throughout their professional life.

PROGRAMME OUTCOMES (POs):

On successful completion of the programme,

1. Graduates will demonstrate knowledge of mathematics, science and engineering.
2. Graduates will demonstrate an ability to identify, formulate and solve engineering problems.
3. Graduate will demonstrate an ability to design and conduct experiments, analyze and interpret data.
4. Graduates will demonstrate an ability to design a system, component or process as per needs and specifications.
5. Graduates will demonstrate an ability to visualize and work on laboratory and multidisciplinary tasks.
6. Graduate will demonstrate skills to use modern engineering tools, software and equipment to analyze problems.
7. Graduates will demonstrate knowledge of professional and ethical responsibilities.
8. Graduate will be able to communicate effectively in both verbal and written form.
9. Graduate will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.
10. Graduate will develop confidence for self education and ability for life-long learning.

PEOs & POs

The B.E. Civil Engineering Program outcomes leading to the achievement of the objectives are summarized in the following Table.

Programme Educational Objectives	Programme Outcomes									
	a	b	c	d	e	f	g	h	i	j
I	X	X		X	X					
II		X	X							
III				X			X			
IV	X				X					
V						X		X	X	X


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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
YEAR 1	SEM 1	Communicative English			✓				✓				
		Engineering Mathematics – I	✓										
		Engineering Physics	✓	✓	✓	✓	✓						
		Engineering Chemistry	✓	✓	✓				✓				
		Problem Solving and Python Programming	✓	✓			✓	✓	✓				
		Engineering Graphics	✓	✓	✓		✓	✓	✓		✓		
		Problem Solving and Python Programming Laboratory	✓	✓			✓	✓	✓				
		Physics and Chemistry Laboratory	✓	✓			✓	✓	✓				
		Technical English				✓				✓			
		Engineering Mathematics – II	✓										
YEAR 2	SEM 2	Physics for Civil Engineering	✓	✓	✓	✓	✓						
		Basic Electrical and Electronics Engineering	✓										
		Environmental Science and Engineering							✓				
		Engineering Mechanics	✓	✓	✓		✓	✓	✓		✓		
		Engineering Practices Laboratory	✓	✓				✓	✓				
		Computer Aided Building Drawing											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
		SEM 3	Transforms and Partial Differential Equations										
			Engineering Geology		✓	✓		✓		✓			✓
			Construction Materials		✓	✓		✓		✓			✓
Strength of Materials I	✓		✓	✓	✓	✓					✓		
Fluid Mechanics	✓		✓		✓			✓	✓		✓		
Surveying			✓	✓		✓		✓			✓		
Surveying Laboratory													
Construction Materials Laboratory													

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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
YEAR 3	Interpersonal Skills / Listening and Speaking											
	Numerical Methods											
	Construction Techniques and Practices		✓			✓		✓		✓		
	Strength of Materials II	✓	✓	✓	✓	✓					✓	
	Applied Hydraulic Engineering	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	Concrete Technology	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	Soil Mechanics	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	Strength of Materials Laboratory	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	Hydraulic Engineering Laboratory	✓		✓	✓	✓		✓	✓	✓	✓	
	Advanced Reading and Writing											
	Design of Reinforced Cement Concrete Elements	✓	✓	✓	✓	✓	✓					✓
	Foundation Engineering		✓		✓	✓			✓		✓	✓
	Structural Analysis I	✓	✓	✓	✓	✓	✓				✓	✓
Water Supply Engineering			✓	✓	✓	✓	✓			✓	✓	
Open Elective- I*												
Professional Elective I												
Water and Waste Water Analysis Laboratory		✓			✓			✓			✓	
Soil Mechanics Laboratory				✓		✓	✓					
Survey Camp (2 weeks-During V Semester)				✓	✓					✓		
Design of Steel Structural Elements	✓	✓	✓	✓	✓	✓					✓	
Structural Analysis II	✓	✓	✓	✓	✓	✓					✓	
Irrigation Engineering	✓	✓			✓						✓	
Wastewater Engineering	✓	✓		✓	✓						✓	

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		YEAR 4											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
SEM 7	Highway Engineering		✓	✓	✓				✓				
	Professional Elective II												
	Highway Engineering Laboratory								✓				
	Irrigation and Environmental Engineering Drawing												
	Professional Communication												
	Estimation, Costing and Valuation Engineering	✓	✓				✓						✓
	Railways, Airports, Docks and Harbour Engineering		✓		✓					✓			✓
	Structural Design and Drawing	✓	✓	✓	✓		✓						✓
	Professional Elective III												
	Open Elective II*												
SEM 8	Creative and Innovative Project (Activity Based - Subject Related)		✓		✓				✓				✓
	Industrial Training (4 weeks During VI semester-Summer)				✓				✓		✓		✓
	Professional Elective IV												
	Professional Elective V												
	Project Work		✓		✓				✓				✓

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PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs. To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

PROGRAM OUTCOMES POs:

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.

To apply software engineering principles and practices for developing quality software for scientific and business applications.

To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Mapping of POs/PSOs to PEOs

Contribution	1: Reasonable	2: Significant	3: Strong
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	PEOs	
POs	1. Graduates will pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.	2. Graduates will have the ability and attitude to adapt to emerging technological changes.
1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	3	1
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	3	1
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	3	2
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	3	2
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	2	3
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	2	2


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7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	2	1
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	3	1
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	3	2
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	3	2
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	2	2
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	1	3

PSOs		
1. Analyze, design and develop computing solutions by applying foundational concepts of computer science and engineering.	3	1
2. Apply software engineering principles and practices for developing quality software for scientific and business applications.	3	1
3. Adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.	1	3



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MAPPING OF COURSE OUTCOMES WITH PROGRAMME OUTCOMES

A broad relation between the Course Outcomes and Programme Outcomes is given in the following table

	Course Title	Programme Outcome (PO)											
		1	2	3	4	5	6	7	8	9	10	11	12
SEMESTER I	Communicative English								√	√	√		√
	Engineering Mathematics - I	√	√	√						√			
	Engineering Physics	√	√	√									
	Engineering Chemistry	√	√	√									
	Problem Solving and Python Programming	√	√	√									
	Engineering Graphics	√	√	√		√			√	√	√		√
	Problem Solving and Python Programming Laboratory	√	√	√		√			√	√	√		√
	Physics and Chemistry Laboratory	√	√	√					√	√	√		
SEMESTER II	Technical English								√	√	√		√
	Engineering Mathematics II	√	√	√						√			
	Physics for Information Science	√	√	√									
	Basic Electrical, Electronics and Measurement Engineering	√	√	√									
	Environmental Science and Engineering	√	√	√				√	√	√	√		√
	Programming in C	√	√	√					√	√	√		√
	Engineering Practices Laboratory	√	√	√	√	√	√		√	√	√		√
	C Programming Laboratory	√	√	√					√	√	√		√



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		PROGRAMME OUTCOME (PO)														
YEAR II	SEMESTER III	COURSE TITLE	1	2	3	4	5	6	7	8	9	10	11	12		
		Discrete Mathematics	√	√	√							√				
		Digital Principles and Design	√	√	√											
		Data Structures	√	√	√											
		Object Oriented Programming	√	√	√											
		Communication Engineering	√	√	√											
		Data Structures Laboratory	√	√	√						√	√	√			√
		Object Oriented Programming Laboratory	√	√	√						√	√	√			√
		Digital Systems Laboratory	√	√	√				√		√	√	√			√
		Interpersonal Skills/Listening & Speaking									√	√	√			√
		SEMESTER IV	Probability and Queueing Theory	√	√	√							√	√		
	Computer Architecture		√	√	√											
	Database Management Systems		√	√	√											
	Design and Analysis of Algorithms		√	√	√							√	√			√
Operating Systems	√		√	√												
Software Engineering	√		√	√		√	√			√	√	√			√	
Database Management Systems Laboratory	√		√	√						√	√	√			√	
Operating Systems Laboratory	√		√	√						√	√	√			√	
Advanced Reading and Writing										√	√	√			√	

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YEAR III	SEMESTER V	Algebra and Number Theory	√	√	√							√			
		Computer Networks	√	√	√										
		Microprocessors and Microcontrollers	√	√	√										
		Theory of Computation	√	√	√										
		Object Oriented Analysis and Design	√	√	√			√							
		Open Elective I													
		Microprocessors and Microcontrollers Laboratory	√	√	√					√	√	√			√
		Object Oriented Analysis and Design Laboratory	√	√	√		√	√		√	√	√			√
		Networks Laboratory	√	√	√					√	√	√			√
YEAR IV	SEMESTER VI	Internet Programming	√	√	√						√	√	√		√
		Artificial Intelligence	√	√	√										
		Mobile Computing	√	√	√										
		Compiler Design	√	√	√						√	√	√		√
		Distributed Systems	√	√	√										
		Professional Elective I													
		Internet Programming Laboratory	√	√	√		√				√	√	√		√
		Mobile Application Development Laboratory	√	√	√		√	√			√	√	√		√
		Mini Project	√	√	√	√	√	√	√	√	√	√	√	√	√
		Professional Communication						√					√		√
YEAR IV	SEMESTER VII	Principles of Management	√	√	√									√	
		Cryptography and Network Security	√	√	√										
		Cloud Computing	√	√	√										
		Open Elective II													

		Professional Elective II												
		Professional Elective III												
		Cloud Computing Laboratory	√	√	√		√			√	√	√		√
		Security Laboratory	√	√	√		√			√	√	√		√
	SEMESTER VIII	Professional Elective IV												
		Professional Elective V												
		Project Work	√	√	√	√	√	√	√	√	√	√	√	√

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PROFESSIONAL ELECTIVES

SEM	COURSE TITLE	PROGRAMME OUTCOME (PO)												
		1	2	3	4	5	6	7	8	9	10	11	12	
VI	Data Warehousing and Data Mining	√	√	√										
	Software Testing	√	√	√		√				√	√			
	Embedded Systems	√	√	√										
	Agile Methodologies	√	√	√										
	Graph Theory and Applications- Intellectual Property Rights	√	√	√										
	Digital Signal Processing	√	√	√				√	√	√	√	√	√	
	VII	Big Data Analytics	√	√	√		√				√	√		
Machine Learning Techniques		√	√	√		√				√	√			
Computer Graphics and Multimedia		√	√	√										
Software Project Management		√	√	√			√		√	√	√	√	√	
Internet of Things		√	√	√										
Service Oriented Architecture		√	√	√										
Total Quality Management		√	√	√									√	
Multi-core Architectures and Programming		√	√	√										
Human Computer Interaction		√	√	√										
C# and .Net Programming		√	√	√		√				√	√			
Wireless Adhoc and Sensor Networks		√	√	√										
Advanced Topics on Databases		√	√	√										
Foundation Skills in Integrated Product Development		√	√	√										
Human Rights		√	√	√										
Disaster Management		√	√	√					√					
VIII		Digital Image Processing	√	√	√									
		Social Network Analysis	√	√	√									
	Information Security	√	√	√					√					
	Software Defined Networks	√	√	√										
	Cyber Forensics	√	√	√					√					
	Soft Computing	√	√	√										
	Professional Ethics in Engineering						√	√	√	√	√		√	
	Information Retrieval Techniques	√	√	√										
	Green Computing	√	√	√										
	GPU Architecture and Programming	√	√	√										
	Natural Language Processing	√	√	√										
	Parallel Algorithms	√	√	√										
	Speech Processing	√	√	√										
Fundamentals of Nano Science	√	√	√											


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ANNA UNIVERSITY, CHENNAI
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B.E. ELECTRONICS AND COMMUNICATION ENGINEERING
REGULATIONS – 2017

PROGRAMME EDUCATIONAL OBJECTIVES:

- PEO1: To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.
- PEO2: To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.
- PEO3: To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

PROGRAMME OUTCOMES:

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.


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8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

1. To analyze, design and develop solutions by applying foundational concepts of electronics and communication engineering.
2. To apply design principles and best practices for developing quality products for scientific and business applications.
3. To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Contribution 1: Reasonable 2: Significant 3: Strong



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MAPPING OF PROGRAMME EDUCATIONAL OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the programme objective and the outcomes is given in the following table

PROGRAMME EDUCATIONAL OBJECTIVES	PROGRAMME OUTCOMES											
	A	B	C	D	E	F	G	H	I	J	K	L
1	3	3	2	3	2	1	1	2	1	1	3	1
2	3	3	3	3	3	1	1	1	1	1	1	2
3	3	3	3	3	3	2	2	3	1	2	2	2

MAPPING OF PROGRAM SPECIFIC OBJECTIVES WITH PROGRAMME OUTCOMES

A broad relation between the Program Specific Objectives and the outcomes is given in the following table

PROGRAM SPECIFIC OBJECTIVES	PROGRAMME OUTCOMES											
	A	B	C	D	E	F	G	H	I	J	K	L
1	3	3	2	3	2	1	1	1	1	1	1	2
2	3	3	3	3	3	2	2	3	1	3	3	3
3	3	3	3	3	3	3	3	2	1	1	1	3



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ANNA UNIVERSITY, CHENNAI
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B.E. ELECTRONICS AND COMMUNICATION ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM

MAPPING OF COURSE OUTCOMES WITH PROGRAMME OUTCOMES:

A broad relation between the Course Outcomes and Programme Outcomes is given in the following table

Sem	COURSE OUTCOMES Course Name	PROGRAMME OUTCOMES											
		a	b	c	d	e	f	g	h	i	j	k	l
I	Communicative English						√	√	√	√	√	√	
	Engineering Mathematics – I	√	√	√	√							√	√
	Engineering Physics	√	√	√	√							√	√
	Engineering Chemistry	√	√	√	√							√	√
	Problem Solving and Python Programming	√	√	√	√	√						√	√
	Engineering Graphics	√									√	√	√
	Problem Solving and Python Programming Laboratory	√	√	√	√	√						√	√
	Physics and Chemistry Laboratory	√	√	√	√							√	√
II	Technical English					√	√	√	√	√	√	√	√
	Engineering Mathematics – II	√	√	√	√							√	√
	Physics for Electronics Engineering	√	√	√	√							√	√
	Basic Electrical and Instrumentation Engineering	√	√	√	√	√	√					√	√
	Circuit Analysis	√	√	√	√	√	√					√	√
	Electronic Devices	√	√	√	√	√	√					√	√
	Circuits and Devices Laboratory	√	√	√	√	√						√	√
	Engineering Practices Laboratory	√	√	√	√	√						√	√
III	Linear Algebra and Partial Differential Equations	√	√	√	√	√						√	√
	Fundamentals of Data Structures In C	√	√	√	√	√	√					√	√
	Electronic Circuits- I	√	√	√	√	√	√					√	√
	Signals and Systems	√	√	√	√	√	√					√	√
	Digital Electronics	√	√	√	√	√	√					√	√
	Control System Engineering	√	√	√	√	√	√					√	√
	Fundamentals of Data Structures in C Laboratory	√	√	√	√	√	√					√	√
	Analog and Digital Circuits Laboratory	√	√	√	√	√	√					√	√
	Interpersonal Skills/Listening & Speaking						√		√	√	√	√	√
IV	Probability and Random Processes	√	√	√	√	√						√	√
	Electronic Circuits II	√	√	√	√	√	√					√	√
	Communication Theory	√	√	√	√	√	√					√	√
	Electromagnetic Fields	√	√	√	√	√	√					√	√
	Linear Integrated Circuits	√	√	√	√	√	√					√	√
	Environmental Science and Engineering	√	√		√		√	√	√	√	√	√	√

COURSE OUTCOMES		PROGRAMME OUTCOMES											
Sem	Course Name	a	b	c	d	e	f	g	h	i	j	k	l
	Circuits Design and Simulation Laboratory	√	√	√	√	√	√					√	√
	Linear Integrated Circuits Laboratory	√	√	√	√	√	√					√	√
V	Digital Communication	√	√	√	√	√	√					√	√
	Discrete-Time Signal Processing	√	√	√	√	√	√					√	√
	Computer Architecture and Organization	√	√	√	√		√					√	√
	Communication Networks	√	√	√	√	√	√					√	√
	Professional Elective I												
	Open Elective I												
	Digital Signal Processing Laboratory	√	√	√	√	√	√					√	√
	Communication Systems Laboratory	√	√	√	√	√	√					√	√
Networks Laboratory	√	√	√	√	√	√					√	√	
VI	Microprocessors and Microcontrollers	√	√	√	√	√	√					√	√
	VLSI Design	√	√	√	√	√	√					√	√
	Wireless Communication	√	√	√	√	√	√					√	√
	Principles of Management						√	√	√		√	√	√
	Transmission Lines and RF Systems	√	√	√	√	√	√					√	√
	Professional Elective -II												
	Microprocessors and Microcontrollers Laboratory	√	√	√	√	√	√					√	√
	VLSI Design Laboratory	√	√	√	√	√	√					√	√
	Technical Seminar		√		√	√	√		√	√	√	√	√
Professional Communication						√				√		√	
VII	Antennas and Microwave Engineering	√	√	√	√	√	√					√	√
	Optical Communication	√	√	√	√		√					√	√
	Embedded and Real Time Systems	√	√	√	√	√	√					√	√
	Ad hoc and Wireless Sensor Networks	√	√	√	√	√	√					√	√
	Professional Elective -III												
	Open Elective - II												
	Embedded Laboratory	√	√	√	√	√	√					√	√
Advanced Communication Laboratory	√	√	√	√	√	√					√	√	
VIII	Professional Elective - IV												
	Professional Elective - V												
	Project Work	√	√	√	√	√	√		√	√	√	√	√

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Educational Objectives

Bachelor of Electrical and Electronics Engineering curriculum is designed to prepare the graduates having attitude and knowledge to

1. Have successful technical and professional careers in their chosen fields such as circuit theory, Field theory, control theory and computational platforms.
2. Engross in life long process of learning to keep themselves abreast of new developments in the field of Electronics and their applications in power engineering.

Programme Outcomes

The graduates will have the ability to

- a. Apply the Mathematical knowledge and the basics of Science and Engineering to solve the problems pertaining to Electronics and Instrumentation Engineering.
- b. Identify and formulate Electrical and Electronics Engineering problems from research literature and be able to analyze the problem using first principles of Mathematics and Engineering Sciences.
- c. Come out with solutions for the complex problems and to design system components or process that fulfill the particular needs taking into account public health and safety and the social, cultural and environmental issues.
- d. Draw well-founded conclusions applying the knowledge acquired from research and research methods including design of experiments, analysis and interpretation of data and synthesis of information and to arrive at significant conclusion.
- e. Form, select and apply relevant techniques, resources and Engineering and IT tools for Engineering activities like electronic prototyping, modeling and control of systems and also being conscious of the limitations.
- f. Understand the role and responsibility of the Professional Electrical and Electronics Engineer and to assess societal, health, safety issues based on the reasoning received from the contextual knowledge.
- g. Be aware of the impact of professional Engineering solutions in societal and environmental contexts and exhibit the knowledge and the need for Sustainable Development.
- h. Apply the principles of Professional Ethics to adhere to the norms of the engineering practice and to discharge ethical responsibilities.
- i. Function actively and efficiently as an individual or a member/leader of different teams and multidisciplinary projects.
- j. Communicate efficiently the engineering facts with a wide range of engineering community and others, to understand and prepare reports and design documents; to make effective presentations and to frame and follow instructions.
- k. Demonstrate the acquisition of the body of engineering knowledge and insight and Management Principles and to apply them as member / leader in teams and multidisciplinary environments.
- l. Recognize the need for self and life-long learning, keeping pace with technological challenges in the broadest sense.

PEO \ PO	a	b	c	d	e	f	g	h	i	j	k	l
1	✓	✓	✓	✓	✓	✓	✓					✓
2	✓	✓	✓	✓	✓	✓		✓		✓		

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SEMESTER	NAME OF THE SUBJECT	PROGRAM OUTCOMES																
		a	b	c	d	e	f	g	h	i	j	k	l					
	THEORY																	
	Communicative English																	
	Engineering Mathematics - I	✓	✓			✓				✓					✓			✓
	Engineering Physics	✓	✓	✓		✓						✓						✓
	Engineering Chemistry	✓	✓	✓		✓												✓
	Problem Solving and Python Programming	✓	✓	✓	✓	✓												✓
	Engineering Graphics			✓	✓													
	PRACTICAL																	
	Problem Solving and Python Programming Laboratory	✓		✓	✓	✓			✓						✓			✓
	Physics and Chemistry Laboratory	✓	✓															
	THEORY																	
	Technical English														✓			✓
	Engineering Mathematics - II	✓	✓	✓		✓												✓
	Physics For Electronics Engineering	✓	✓	✓		✓						✓						✓
	Basic Civil and Mechanical Engineering				✓						✓							
	Circuit Theory	✓	✓	✓	✓	✓												✓
	Environmental Science and Engineering	✓	✓			✓					✓	✓						✓
	PRACTICALS																	
	Engineering Practices Laboratory	✓		✓	✓	✓					✓							
	Electric Circuits Lab	✓		✓	✓	✓					✓							✓
	THEORY																	
	Transforms and Partial Differential Equations	✓	✓			✓												✓
	Digital Logic Circuits				✓													
	Electromagnetic Theory	✓	✓	✓	✓	✓									✓			
	Electrical Machines – I	✓	✓	✓	✓	✓									✓			

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SEM IV	Electron Devices and Circuits	✓	✓	✓	✓	✓	✓	✓	✓						✓	
	Power Plant Engineering	✓	✓	✓	✓	✓	✓	✓	✓			✓				
	PRACTICALS															
	Electronics Laboratory	✓			✓	✓	✓	✓				✓			✓	
	Electrical Machines Laboratory - I	✓			✓	✓	✓	✓				✓			✓	
	THEORY															
	Numerical Methods	✓	✓	✓	✓	✓	✓	✓							✓	
	Electrical Machines – II	✓	✓	✓	✓	✓	✓	✓		✓					✓	
	Transmission and Distribution	✓	✓	✓	✓	✓	✓	✓		✓					✓	
	Measurements and Instrumentation	✓	✓	✓	✓	✓	✓	✓							✓	
SEM V	Linear Integrated Circuits and Applications	✓	✓	✓	✓	✓	✓	✓								
	Control Systems	✓	✓	✓	✓	✓	✓	✓							✓	
	PRACTICALS															
	Electrical Machines Lab II	✓	✓	✓	✓	✓	✓	✓							✓	
	Linear and Digital Integrated Circuits Laboratory	✓	✓	✓	✓	✓	✓	✓				✓	✓		✓	
	Technical Seminar										✓	✓				
	THEORY															
	Power System Analysis	✓	✓	✓	✓	✓	✓	✓		✓						✓
	Microprocessors and Microcontrollers	✓	✓	✓	✓	✓	✓	✓				✓	✓		✓	
	Power Electronics	✓	✓	✓	✓	✓	✓	✓		✓						✓
SEM V	Digital Signal Processing	✓	✓	✓	✓	✓	✓	✓		✓						✓
	Object Oriented Programming															
	Open Elective I															
	PRACTICALS															
	Control and Instrumentation Laboratory								✓							✓


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	Professional Communication									✓		✓				✓						
	Object Oriented Programming Laboratory				✓																	
	THEORY																					
	Solid State Drives	✓	✓		✓	✓					✓											
	Protection and Switchgear	✓	✓		✓	✓					✓											✓
	Embedded Systems																					
	Professional Elective I																					
	Professional Elective II																					
	PRACTICALS																					
SEM VI	Power Electronics and Drives Laboratory	✓	✓		✓	✓					✓	✓										✓
	Microprocessors and Microcontrollers Laboratory	✓	✓		✓	✓					✓	✓										✓
	Mini Project	✓	✓		✓	✓					✓	✓										✓
	THEORY																					
	High Voltage Engineering	✓	✓		✓	✓					✓	✓										✓
	Power System Operation and Control	✓	✓		✓	✓					✓	✓										✓
	Renewable Energy Systems	✓	✓		✓	✓					✓	✓										✓
	Open Elective II																					
	Professional Elective III																					
	Professional Elective IV																					
	PRACTICALS																					
	Power System Simulation Laboratory	✓	✓		✓	✓					✓	✓										✓
	Renewable Energy Systems Laboratory	✓	✓		✓	✓					✓	✓										✓
	THEORY																					
SEM VIII	Professional Elective V																					


Professional Elective VI														
PRACTICALS														
Project Work	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

PROFESSIONAL ELECTIVE

SL.NO.	NAME OF THE SUBJECT	PROGRAM OUTCOMES												
		a	b	c	d	e	f	g	h	i	j	k	l	
	THEORY													
ELECTIVE – I	Advanced Control System	✓	✓	✓				✓						
	Visual Languages and Applications	✓	✓		✓	✓								
	Design of Electrical Apparatus	✓		✓	✓	✓								
	Power Systems Stability	✓		✓	✓	✓								
	Modern Power Converters	✓		✓	✓	✓								
ELECTIVE – II	Intellectual Property Rights							✓			✓			✓
	Principles of Robotics	✓		✓		✓								
	Special Electrical Machines	✓		✓	✓	✓		✓						
	Power Quality	✓		✓	✓	✓		✓						✓
	EHVAC Transmission	✓		✓	✓	✓		✓						✓
ELECTIVE – III	Communication Engineering													
	Disaster Management	✓		✓		✓		✓						✓
	Human Rights	✓		✓	✓	✓		✓						✓
	Operations Research	✓		✓		✓		✓						✓
	Probability and Statistics	✓		✓		✓		✓						✓
ELECTIVE – III	Fibre Optics and Laser Instrumentation	✓	✓			✓								
	Foundation Skills in Integrated Product Development													


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ELECTIVE – IV	System Identification and Adaptive Control	✓	✓	✓	✓	✓	✓	✓									
	Computer Architecture	✓				✓											
	Control of Electrical Drives	✓				✓											
	VLSI Design	✓				✓											
	Power Systems Transients	✓				✓											
	Total Quality Management	✓				✓											
ELECTIVE – V	Flexible AC Transmission Systems	✓				✓											
	Soft Computing Techniques	✓				✓											
	Power Systems Dynamics	✓				✓											
	SMPS and UPS	✓				✓											
	Electric Energy Generation, Utilization and Conservation	✓				✓											
	Professional Ethics in Engineering	✓				✓											
	Principals of Management									✓							
	Energy Management and Auditing									✓					✓		
	Data Structures									✓					✓		
	High Voltage Direct Current Transmission	✓				✓								✓			
	Microcontroller Based System Design	✓				✓									✓		
ELECTIVE – VI	Smart Grid	✓				✓								✓			
	Biomedical Instrumentation	✓				✓								✓			
	Fundamentals of Nano Science																



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B.E. MECHANICAL ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM

PROGRAMME EDUCATIONAL OBJECTIVES:

Bachelor of Mechanical Engineering curriculum is designed to impart Knowledge, Skill and Attitude on the graduates to

1. Have a successful career in Mechanical Engineering and allied industries.
2. Have expertise in the areas of Design, Thermal, Materials and Manufacturing.
3. Contribute towards technological development through academic research and industrial practices.
4. Practice their profession with good communication, leadership, ethics and social responsibility.
5. Graduates will adapt to evolving technologies through life-long learning.

PROGRAMME OUTCOMES

1. An ability to apply knowledge of mathematics and engineering sciences to develop mathematical models for industrial problems.
2. An ability to identify, formulates, and solve complex engineering problems. with high degree of competence.
3. An ability to design and conduct experiments, as well as to analyze and interpret data obtained through those experiments.
4. An ability to design mechanical systems, component, or a process to meet desired needs within the realistic constraints such as environmental, social, political and economic sustainability.
5. An ability to use modern tools, software and equipment to analyze multidisciplinary problems.
6. An ability to demonstrate on professional and ethical responsibilities.
7. An ability to communicate, write reports and express research findings in a scientific community.
8. An ability to adapt quickly to the global changes and contemporary practices.
9. An ability to engage in life-long learning.

PEO / PO Mapping

Programme Educational Objectives	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
I	✓	✓	✓	✓	✓	✓	✓	✓	✓
II	✓	✓	✓		✓			✓	
III		✓		✓	✓	✓		✓	
IV					✓	✓	✓		✓
V		✓	✓	✓	✓				✓


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		COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9		
YEAR 1	SEM 1	Communicative English							✓				
		Engineering Mathematics I	✓	✓	✓						✓		
		Engineering Physics	✓	✓	✓							✓	
		Engineering Chemistry				✓							
		Problem Solving and Python Programming						✓					
	Engineering Graphics		✓	✓					✓				
	Problem Solving and Python Programming Laboratory			✓			✓						
	Physics and Chemistry Laboratory			✓									
	YEAR 2	SEM 2	Technical English	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	
			Engineering Mathematics II	✓	✓	✓				✓		✓	
Materials Science						✓					✓		
Basic Electrical, Electronics and Instrumentation Engineering						✓					✓		
Environmental Science and Engineering						✓							
Engineering Mechanics			✓	✓						✓	✓	✓	
Engineering Practices Laboratory					✓								
Basic Electrical, Electronics and Instrumentation Engineering					✓								
YEAR 3			SEM 3	Transforms and Partial Differential Equations	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
				Engineering Thermodynamics	✓	✓	✓					✓	✓
	Fluid Mechanics and Machinery	✓		✓	✓								
	Manufacturing Technology - I	✓		✓	✓								
	Electrical Drives and Controls					✓		✓			✓	✓	
	Manufacturing Technology Laboratory - I					✓		✓			✓	✓	
	Computer Aided Machine Drawing					✓		✓			✓	✓	
	Electrical Engineering Laboratory				✓								
	Interpersonal Skills / Listening & Speaking				✓								
	YEAR 4	SEM 4		Statistics and Numerical Methods	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Kinematics of Machinery			✓	✓	✓								
Manufacturing Technology - II			✓	✓	✓	✓							
Engineering Metallurgy						✓				✓			



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YEAR 3	COURSE TITLE	PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9			
YEAR 3	Strength of Materials for Mechanical Engineers	✓	✓	✓	✓	✓							
	Thermal Engineering- I	✓	✓				✓						
	Manufacturing Technology Laboratory-II			✓									
	Strength of Materials and Fluid Mechanics Machinery Laboratory			✓									
	Advanced Reading and Writing						✓						✓
	COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9			
	Thermal Engineering- II	✓	✓			✓							✓
	Design of Machine Elements		✓		✓								✓
	Metrology and Measurements	✓		✓	✓								✓
	Dynamics of Machines	✓	✓	✓	✓	✓							✓
Kinematics and Dynamics Laboratory	✓	✓	✓	✓									
Thermal Engineering Laboratory	✓	✓	✓	✓									
Metrology and Measurements Laboratory	✓	✓	✓	✓	✓								
COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9				
Design of Transmission Systems		✓		✓								✓	
Computer Aided Design and Manufacturing		✓	✓		✓								
Heat and Mass Transfer	✓	✓	✓	✓								✓	
Finite Element Analysis	✓	✓	✓	✓								✓	
Hydraulics and Pneumatics	✓	✓	✓	✓								✓	
C.A.D. / C.A.M. Laboratory		✓				✓							
Design and Fabrication Project						✓						✓	
Professional Communication						✓						✓	
COURSE TITLE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9				
Power Plant Engineering	✓	✓	✓	✓								✓	
Mechatronics	✓	✓	✓	✓	✓							✓	
Process Planning and Cost Estimation		✓		✓									
Simulation and Analysis Laboratory	✓				✓								
Mechatronics Laboratory	✓	✓	✓	✓	✓							✓	
Technical Seminar						✓							
Project Work	✓	✓	✓	✓		✓							
Principles of Management						✓						✓	

Principal

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Chathirampudukulam, Chidambaranagar - Vepenkulam Road,
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VISION

To be a center of excellence in Engineering, exposing emerging technologies and instilling Entrepreneurial Attitude.

MISSION

- Empower students through effective teaching and learning process for the development of critical thinking, effective communication and creativity.
- Develop industry readiness by encouraging learning by doing, exposing current innovations and providing adequate facilities for Research.
- Create the entrepreneurship desire by developing individual skills, professional ethics, moral values and societal concern.


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Chathirampudukulam, Chidambaranagar - Vepenkulam Road,
Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

Core Value of the Institution

- **Innovation**
- **Creativity**
- **Entrepreneurship**
- **Critical Thinking**
- **Effective Communication**
- **Professional Ethics**
- **Moral Values**


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ANNA UNIVERSITY, CHENNAI
AFFILIATED INSTITUTIONS
B.E. COMPUTER SCIENCE AND ENGINEERING
REGULATIONS – 2017
CHOICE BASED CREDIT SYSTEM

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs. To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

PROGRAM OUTCOMES POs:

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

To analyze, design and develop computing solutions by applying foundational concepts of Computer Science and Engineering.

To apply software engineering principles and practices for developing quality software for scientific and business applications.

To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.


Mapping of POs/PSOs to PEOs

Contribution 1: Reasonable 2: Significant 3: Strong


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THAMIRABHARANI ENGINEERING COLLEGE
 Department of Civil Engineering
 Faculty Work Load Details

SL. NO	STAFF NAME	SUBJECT 1	SUBJECT 2	LAB 1	LAB 2	ADDITIONAL RESPONSIBILITIES
1	Dr.R.JEYA RAJ	FOUNDATION ENGINEERING		DESIGN PROJECT		1. ACADEMIC COORDINATOR - MONITORING 2. PROJECT CO-ORDINATOR(IV YEAR)
2	M.HARI RAMUDU	STRUCTURAL DYNAMICS AND EARTHQUAKE ENGINEERING	SURVEYING	ENGINEERING GRAPHICS	ENGINEERING GRAPHICS	1. DEPARTMENT LIBRARY IN CHARGE 2. PROJECT COORDINATOR-III YEAR 3. ASSESSMENT COORDINATOR
3	A.RAJESH	DESIGN OF RC ELEMENTS	WATER RESOURCES AND IRRIGATION ENGINEERING			
4	V.TAMILARASI	PRESTRESSED CONCRETE STRUCTURES	ADVANCED SURVEYING	SURVEY CAMP, WATER AND WASTE WATER ANALYSIS LABORATORY	SURVEYING LABORATORY	1. LAB INCHARGE (CONCRETE AND HIGHWAY LAB) 2. FINAL YEAR CLASS ADVISOR-1 3. EXAM CELL COORDINATOR
5	P.SHANMUGA PRIYAN	ESTIMATION AND QUANTITY SURVEYING	CONSTRUCTION MATERIALS	COMPUTER AIDED DESIGN AND DRAFTING LABORATORY	SOIL MECHANICS LABORATORY	1. SECOND YEAR CLASS ADVISOR-1 2. ACCREDITATION COORDINATOR 3. LAB INCHARGE HYDRAULIC ENGINEERING LAB 4. DISCIPLINE DC


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Faculty Work Load Details

S.N	STAFF NAME	Subject 1	Subject 2	Lab 1	Lab 2	Additional Responsibilities
1	A. KANAGALAKSHMI	Electronic Circuits II		Project Work		ACADEMIC COORDINATOR
2	BINI R.S.	Microprocessors and Microcontrollers		Microprocessors and Microcontrollers Laboratory, Technical Seminar	Project Work, Circuits Design and Simulation Laboratory	CO-CURRICULAR COORDINATOR
3	P.SARAVANASELVI	Wireless Networks	Electronic Devices (I-ECE)	Circuits and Devices Laboratory (I-ECE)	Microprocessors and Microcontrollers Laboratory	LAB IN CHARGE (MICROPROCESSOR LAB)
4	A. NIYAS AHAMED	VLSI Design	Professional Ethics	VLSI Design Laboratory	Engineering Practices Laboratory (ECE,EEE,CIVIL)	TIME TABLE COORDINATOR & ASSESSMENT COORDINATOR
5	S.K.SAM KINGSLEY	Communication Theory	Total Quality Management	Circuits Design and Simulation Laboratory	Engineering Practices Laboratory (MECH)	LAB IN CHARGE (LIC LAB) & PLACEMENT COORDINATOR
6	V. ABHINAVARAJAM	Passive and Active Filters	Transmission Lines and RF Systems	Linear Integrated Circuits Laboratory	VLSI Design Laboratory, Linear and Digital Integrated Circuits Laboratory (II-EEE)	LAB IN CHARGE (EDC LAB), CLASS ADVISOR (III ECE)
7	R. P. RAMA RAO	Linear Integrated Circuits	Linear Integrated Circuits and Applications (II-EEE)	Linear and Digital Integrated Circuits Laboratory (II-EEE)	Microprocessors and Microcontrollers Laboratory (III-EEE)	CLASS ADVISOR (II ECE) & DEPARTMENT LIBRARY INCHARGE, PROJECT COORDINATOR (II ECE)
8	S. S. SURESH	Wireless Communication	Wireless Communication	Microprocessors and Microcontrollers Laboratory (III-EEE)	Circuits and Devices Laboratory (I-ECE)	CLASS ADVISOR (IV ECE), PROJECT COORDINATOR (III ECE)
9	S. S. SURESH	Communication Engineering (III ECE)	Principles of Management	Engineering Practices Laboratory (CE)	Linear Integrated Circuits Laboratory	DOCUMENTATION IN-CHARGE

Number of Theory papers: 54

Number of practical papers: 8-+ (EP lab)

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6	E.SAKTHI ELAKKIYA	TRAFFIC ENGINEERING AND MANAGEMENT	FLUID MECHANICS	SOIL MECHANICS LABORATORY	SURVEY CAMP & CONSTRUCTION MATERIALS LABORATORY	1. TIME TABLE IN CHARGE 2. LAB INCHARGE (SOIL MECHANICS LAB) 3. COACHING CLASS COORDINATOR 4. THIRD YEAR CLASS ADVISOR -1
7	D.CAROLINE REGI PRAVEENA	STRUCTURAL ANALYSIS I	ENGINEERING GEOLOGY	CONSTRUCTION MATERIALS LABORATORY	COMPUTER AIDED DESIGN AND DRAFTING LABORATORY	1. GATE-IPS COACHING COORDINATOR 2. LAB INCHARGE (STRENGTH OF MATERIALS LAB) 3. THIRD YEAR CLASS ADVISOR -2
8	S.SANTHYA	MUNICIPAL SOLID WASTE MANAGEMENT	ENVIRONMENT AND AGRICULTURE	WATER AND WASTE WATER ANALYSIS LABORATORY	DESIGN PRODUCT	1. DEPARTMENT PLACEMENT INCHARGE 2. LAB INCHARGE (ENVIRONMENTAL ENGINEERING LAB) 3. FINAL YEAR CLASS ADVISOR-2
9	A.PARVATHY KARTHIGA	WATER SUPPLY ENGINEERING	STRUCTURAL MATERIALS	SURVEYING LABORATORY	ENGINEERING GRAPHICS	1. SECOND YEAR CLASS ADVISOR -2 2. LAB INCHARGE (SURVEYING LAB) 3. NPTEL VIDEO COORDINATOR

NO OF THEORY PAPERS: 17-1

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NO OF PRACTICAL PAPERS: 7

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME-TABLE FOR ODD SEMESTER (2019-2020)

Rev:- W.E.F : 08-07-2019

DAY-HOUR	YEAR	I 9.00 TO 9.45	II 9.45 TO 10.30	10.30 TO 10.45	III 10.45 TO 11.30	IV 11.30 TO 12.15	V 1.40 12.55 TO 1.40	VI 1.40 TO 2.25	VII 2.25 TO 3.10	VIII 3.10 TO 3.50	3.50 TO 4.00	
MONDAY	II	OOP (NSI)	DM (NS)	BREAK	DS (GDD)	CE (SWG)	DS LAB (GDD)					
	III	CN (MR)	MPMC (RR)		OOAD (MS)	TOC (RRS)	ANT (NS) -T	ENG (SM)				
	IV	IR (RJ)	CNS (AA)		CF (DGD)	RMT (KP)	GCC LAB (MR / DGD)					
	II	DPSD (CG)	DS (GDD)		ISL & S (SM)		OOP (NSI)	DM (NS)	DM (NS) -T			
TUESDAY	III	ANT (NS)	CN (MR)	MPMC (RR)	TOC (RRS)	TOC (RRS)	N/W LAB (MR/AA) / MPMC LAB (RR/SWG)					
	IV	GTA (RK)	RMT (KP)	CNS (AA)	GCC (GTG)	GCC (GTG)	GTA (RK)		IR (RJ)			
	II	CE (SWG)	OOP (NSI)	DPSD (CG)	DPSD (CG) -T	ANT (NS)	DS (GDD)	LIB (GDD)				
	III	TOC (RRS)	OOAD (MS)	ANT (NS)	ST (EP)	RMT (KP)	GCC (GTG)	IR (RJ)				
WEDNESDAY	IV	GCC (GTG)	GTA (RK)	CE (SWG)	CNS (AA)	CNS (AA)	CF (DGD)		IR (RJ)			
	II	DS (GDD)	DPSD (CG)	CN (MR)	ST (EP)	DS (GDD)	OOP LAB (NSI)					
	III	MPMC (RR)	ANT (NS)	MPMC (RR)	Security LAB (RRS / DGD)	ST (EP)	MPMC (RR)		OOAD (MS)			
	IV	CF (DGD)	Security LAB	CF (DGD)	OOP (NSI)	OOP (NSI)	RMT (KP)		GTA (RK)			
THURSDAY	II	DM (NS)	CE (SWG)	DPSD (CG)	DPSD (CG)	ST (EP)	Digital LAB (CG/RG)					
	III	OOAD (MS)	ST (EP)	TOC (RRS)	CN (MR)	CN (MR)	GCC (GTG)		IR (RJ)			
	IV	RMT (KP)	CF (DGD)	GCC (GTG)	CNS (AA)	GCC (GTG)	OOAD LAB (DGD/RRS)		IR (RJ)			
	II	DPSD (CG / SWG) - T	ANT (NS) - T	DM (NS) - T	TOC (RRS / RJ) - T	VAC						
FRIDAY	III	CNS (AA / GTG) - T	APT (NSI)	ENG (SM)	PT (MR)	-VAC						
	IV	ANT (NS) - T		ENG (SM)		-VAC						
	II	ANT (NS) - T		ENG (SM)		-VAC						
	III	ANT (NS) - T		ENG (SM)		-VAC						
SPECIALDAY	IV	ANT (NS) - T		ENG (SM)		-VAC						
	III	ANT (NS) - T		ENG (SM)		-VAC						
	II	ANT (NS) - T		ENG (SM)		-VAC						
	I	ANT (NS) - T		ENG (SM)		-VAC						

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LINE TAC: T.A. BARGI

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18/11/19

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TIME-TABLE FOR ODD SEMESTER (2019-2020)

Rev. - W.E.F. : 08-07-2019

DAY-HOUR	YEAR	I 9.00 TO 9.45	II 9.45 TO 10.30	10.30 TO 10.45	III 10.45 TO 11.30	IV 11.30 TO 12.15	V 12.15 TO 12.55	VI 1.40 TO 2.25	VII 2.25 TO 3.10	VIII 3.10 TO 3.20	VIII 3.20 TO 4.00
MONDAY	II	OOP (NSI)	DM (NS)	BREAK			DS LAB (GDD)			DS LAB	
	III	CN (MIR)	MPMC (RR)	LUNCH			ANT (NS)			EP / RR	
	IV	IR (RJ)	CNS (AA)	ISL & S (SM)			GCC LAB (MIR / DGD)			DGD / RRS	
	II	DPSD (CG)	DS (GDD)	MPMC (RR)			OOP (NSI)			SWG	
TUESDAY	III	ANT (NS)	CN (MIR)	MPMC (RR)			NW LAB (MIR/AA) / MPVIC LAB (RR/SWG)			NW / MPVIC LAB	
	IV	GTA (RK)	RMT (KP)	CNS (AA)			GTA (RK)			LIB (RJ)	
	II	CE (SWG)	OOP (NSI)	DPSD (CG)			DM (NS)			PK	
	III	TOC (RRS)	OOAD (MS)	ANT (NS)			MPVIC LAB (RR/SWG) / NW LAB (MIR/AA)			MPMC / NW LAB	
WEDNESDAY	IV	GCC (GTG)	GTA (RK)	RMT (KP)			CF (DGD)			KP / GTG	
	II	DS (GDD)	DPSD (CG)	CE (SWG)			DM (NS)			OOP LAB	
	III	MPMC (RR)	ANT (NS)	CN (MIR)			OOP LAB (NSI)			LIB (MS)	
	IV	CF (DGD)	Security LAB	Security LAB (RRS / DGD)			MPMC (RR)			RK / GDD	
THURSDAY	II	DM (NS)	CE (SWG)	DPSD (CG)			Digital LAB (CG/RC)			Digital LAB	
	III	OOAD (MS)	ST (EP)	TOC (RRS)			OOAD LAB (DGD/RRS)			OOAD LAB	
	IV	RMT (KP)	CF (DGD)	GCC (GTG)			GCC (GTG)			GTG / MIR	
	II	DPSD (CG / SWG) - T	ANT (NS) - T	DM (NS) - T			VAC			VAC	
FRIDAY	III	ANT (AA / GTG) - T	APT (NSI)	TOC (RRS / RJ) - T			VAC			VAC	
	IV	CNS (AA / GTG) - T	PT (MIR)	ENG (SM)			VAC			VAC	
	II	OOP (NSI)	PT (MIR)	TOC (RRS / RJ) - T			VAC			VAC	
	III	ANT (NS) - T	APT (NSI)	ENG (SM)			VAC			VAC	
SPECIAL DAY	IV	CNS (AA / GTG) - T	APT (NSI)	TOC (RRS / RJ) - T			VAC			VAC	
	III	ANT (NS) - T	APT (NSI)	ENG (SM)			VAC			VAC	
	II	DPSD (CG / SWG) - T	PT (MIR)	TOC (RRS / RJ) - T			VAC			VAC	
	IV	CNS (AA / GTG) - T	APT (NSI)	ENG (SM)			VAC			VAC	

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TIME TABLE FOR ODD SEMESTER

10/07/2019

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