



SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

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

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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



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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Criteria 2

Teaching-Learning and Evaluation

350

Key Indicator- 2.3. Teaching- Learning Process (40)

2018-2019

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

PROBLEM SOLVING

Activity	Number of Students Attended	Page No.
Tutorial	51	3
TOTAL STUDENTS ATTENDED	51	-



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Criteria 2

Teaching-Learning and Evaluation

350

Key Indicator- 2.3. Teaching- Learning Process (40)

2018-2019

**ELECTRONICS AND
COMMUNICATION ENGINEERING
PROBLEM SOLVING
TUTORIAL**



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR (2018-2019)

PROBLEM SOLVING METHOD

LIST OF STUDENTS II YEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912617106001	ABIRAMIS	II/III	PROBLEM SOLVING METHOD-TUTORIAL MA8352-LINEAR ALGEBRA AND PARTIAL DIFFERENTIAL EQUATIONS
2.	912617106002	ABISHEKA.S	II/III	
3.	912617106003	ATSHAYA.R	II/III	
4.	912617106004	BAVADHARANI.A	II/III	
5.	912617106005	BHUVANESHWARI.B	II/III	
6.	912617106006	DHIVYA.L	II/III	
7.	912617106007	GOWSALYA.D	II/III	
8.	912617106009	INDHUMATHIS	II/III	
9.	912617106010	KANIMOZHID	II/III	
10.	912617106011	KAVYA.C	II/III	
11.	912617106012	KEERTHANA.G	II/III	
12.	912617106013	MAHESHWARI.G	II/III	
13.	912617106014	MANOHARI.M	II/III	
14.	912617106015	MARAGATHALAKSHMIS	II/III	
15.	912617106016	RAMYA.P	II/III	
16.	912617106017	SAFRIN NISHA.S	II/III	
17.	912617106018	SUBASHINI.M	II/III	
18.	912617106019	SUBASHINI.T	II/III	
19.	912617106020	VINTHIYA.R	II/III	
20.	912617106701	POOMA A	II/III	

M. Vanitha
Name and signature of the faculty Incharge

(M. Vanitha)

[Signature]
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HOD / ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Tutorial Answer Sheet

Name of the Student: G. Keerthana

AU Register Number: 912617106012

Tutorial – 01			Date of Issue:	02.07.18	Marks	10
Course code	MA8352	Course Title	Linear Algebra and Partial Differential Equations			
Year	II	Semester	III	Date of Submission:	05.07.18	

Q.No	Questions	CO
1	Define linearly independent and dependent, and Let be a set of linearly Independent vectors of a space. Check, whether the set is linearly independent.	C201.1
2	i) Prove that any intersection of sub spaces of a vector space V is a subspace of V (ii) Prove that the union of two subspaces is not necessarily a subspace.	C201.1
3	Calculate each of the sets of data that follows, use the least squares approximation to find the best fits with Both (i) a linear function and (ii) a quadratic function. Compute the Error E in both cases. $\{(-3,9),(-2,6),(0,2),(1,1)\}$	C201.1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	5
Correctness of Answer	2	2
Timely submission	2	2
Total marks	10	9

Name and Signature of the Faculty In charge

M. Varitha
(M. Varitha)

[Signature]
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR (2018-2019)

PROBLEM SOLVING METHOD

LIST OF STUDENTS III YEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912616106001	ABINAYA.R	III/V	PROBLEM SOLVING METHOD-TUTORIAL EC6503- TRANSMISSION LINES & WAVEGUIDES
2.	912616106002	AGALYA.A	III/V	
3.	912616106003	ATCHAYA.G	III/V	
4.	912616106004	DEEPA.N	III/V	
5.	912616106005	DHARANIYA.A	III/V	
6.	912616106006	JEEVITHA.U	III/V	
7.	912616106007	MAHESWARI.V	III/V	
8.	912616106008	PAZHANIYAMMAL.R	III/V	
9.	912616106009	PRIYANKA.E	III/V	
10.	912616106010	ROJA.A	III/V	
11.	912616106011	SHANMUGAPRIYA.R	III/V	
12.	912616106012	SHIYAMALA.E	III/V	
13.	912616106013	SIVA BHARATHI.P	III/V	
14.	912616106011	SHANMUGAPRIYA.R	III/V	
15.	912616106012	SHIYAMALA.E	III/V	
16.	912616106302	SANKAVI M	III/V	

Name and signature of the faculty Incharge

(M. SATHYA)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Tutorial Answer Sheet

Name of the Student: E. shiyamala

AU Register Number: 912616106012

Tutorial – 02		Date of Issue:	30.06.18	Marks	10
Course code	EC6503	Course Title	Transmission lines and waveguides		
Year	III	Semester	V	Date of Submission:	09.07.18

Q.No	Questions	CO
1	A communication link has $R = 10.4 \text{ ohm/km}$, $L = 3.67 \text{ mH/km}$, $G = 0.08 \text{ } \mu\text{mho/km}$ and $C = 0.0083 \text{ } \mu\text{F/km}$. Determine the characteristic impedance, propagation constant, phase constant, velocity of propagation, sending end current and receiving end current for given frequency $f = 1 \text{ kHz}$, sending end voltage is 1 volts and transmission line length is 100km.	C303.1
2	A telephone cable 64 km long has a resistance of 13 ohms/km and a capacitance of 0.008 micro farad/km. Calculate attenuation constant, velocity and wavelength of the line at 1000 HZ.	C303.1
3	Derive the expressions for input impedance of open & short circuited lines	C303.1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	5
Correctness of Answer	2	1
Timely submission	2	2
Total marks	10	8

Name and Signature of the Faculty Incharge

M. SATHYA

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ACADEMIC YEAR (2018-2019)

PROBLEM SOLVING METHOD

LIST OF STUDENTS IVYEAR ECE- PROBLEM SOLVING METHOD

SL.NO	REG.NO	NAME	YEAR/SEM	LEARNING METHOD
1.	912615106001	AARTHI .M	IV/VII	PROBLEM SOLVING METHOD-TUTORIAL EC6701-RF & MICROWAVE ENGINEERING
2.	912615106002	ABIRAMI .C	IV/VII	
3.	912615106004	AKILA .S	IV/VII	
4.	912615106005	ARTHI .M	IV/VII	
5.	912615106006	BAVADHARANI .M	IV/VII	
6.	912615106007	DIVYABHARATHI .S	IV/VII	
7.	912615106008	JAGADESWARI .K	IV/VII	
8.	912615106009	MEENAKSHI .R	IV/VII	
9.	912615106010	MEENAL .T	IV/VII	
10.	912615106012	SARGUNAVALLI .C	IV/VII	
11.	912615106013	THENMOZHI .K	IV/VII	
12.	912615106014	VENNILA .K	IV/VII	
13.	912615106301	MANIMEGALAI .S	IV/VII	
14.	912615106701	SARADHA .S	IV/VII	
15.	912615106702	KAVIYA .S	IV/VII	

Name and signature of the faculty Incharge

(M.SATHYA)

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Tutorial Answer sheet

Name of the Student: M. Arthi

AU Register Number: 912615106005

Tutorial – 01			Date of Issue:	12.07.18	Marks	10
Course code	EC6701	Course Title	RF& Microwave Engineering			
Year	IV	Semester	VII	Date of Submission:	16.07.18	

Q.No	Questions	CO
1	Explain in detail about Low frequency and high frequency parameter. Low frequency parameter.	C401.1
2	i) Determine if the network is reciprocal and lossless. ii) If the port two is terminated with matched load, what is the return loss at port 1.	C401.1
3	Explain the operation of Hybrid junctions (E-Plane Tee & H-Plane Tee, Magic-tee) and derive the scattering matrix for it hybrid Junctions	C401.1

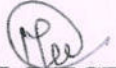
Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	5
Correctness of Answer	2	2
Timely submission	2	2
Total marks	10	9

Name and Signature of the Faculty Incharge

(M-SATHYA)


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