



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2018-2019

**ELECTRONICS AND COMMUNICATION
ENGINEERING
PROBLEM SOLVING**

Activity	Number of Students Attended	Page No
Tutorial	34	3
TOTAL STUDENTS ATTENDED	34	



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Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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NAAC Accredited, 2(F) Status Institution by UGC



Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator- 2.3. Teaching- Learning Process (40)

2018-2019

**ELECTRONICS AND COMMUNICATION
ENGINEERING**

PROBLEM SOLVING

TUTORIAL



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Academic Year 2018-2019 – Odd Semester

Problem Solving Method

SL.NO	Reg.No	Name	Year/Sem	Learning Method
1	811216106001	Abarna T	III/V	Problem Solving Method-Tutorial EC6503 - Transmission lines and waveguides
2	811216106002	Amsavalli S	III/V	
3	811216106003	Anushya S	III/V	
4	811216106004	Arockia Nivetha S	III/V	
5	811216106005	Ashefa N	III/V	
6	811216106006	Dhanalakshmi T	III/V	
7	811216106008	Femina Begum A	III/V	
8	811216106009	Gayathri J	III/V	
9	811216106010	Joysefshiba J	III/V	
10	811216106011	Keerthana P	III/V	
11	811216106012	Keerthana S	III/V	
12	811216106013	Keerthika D	III/V	
13	811216106014	Lathasri S	III/V	
14	811216106015	Menaka R	III/V	
15	811216106016	Mithra P	III/V	
16	811216106017	Mohan Raj S	III/V	
17	811216106018	Nilavar Nisha F	III/V	
18	811216106019	Pavithra P	III/V	
19	811216106020	Pavithra V	III/V	
20	811216106021	Prabhu A	III/V	
21	811216106022	Preetha M	III/V	
22	811216106024	Prema S	III/V	
23	811216106025	Raahul BN	III/V	
24	811216106026	Ramya S	III/V	
25	811216106027	Ruban Raj S	III/V	
26	811216106028	Saranya M	III/V	
27	811216106030	Saravanan S	III/V	
28	811216106031	Shanakya P	III/V	
29	811216106032	Sorna J	III/V	
30	811216106033	Sudharsan K	III/V	
31	811216106034	Suvathi R	III/V	
32	811216106035	Swathi S	III/V	
33	811216106036	Udaya Rani K	III/V	
34	811216106037	Vettai P	III/V	

Signature

HoD/ECE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Tutorial Answer Sheet

Name of the Student : Abarna T


AU Register Number: 811216106001

Tutorial - 01		Date of Issue:	03.07.18	Marks	10
Course code	EC6503	Course Title	Transmission lines and waveguides		
Year	II	Semester/Section	V	Date of Submission:	10.07.18

Q.No	Questions	CO
1	A Communication link has $R=10.4\text{ohm/km}$, $L=3.6\text{mH/km}$, $G=0.08\text{μmho/km}$ and $C=0.0083\text{μF/km}$. Determine the characteristic impedance, propagation constant, phase constant, velocity of propagation, sending end current and receiving end current for an freq. $f=1\text{kHz}$, sending end voltage is 10 volts and transmission line length is 100km	C308.1

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Problem solving approach	6	4
Correctness of Answer	2	2
Timely submission	2	2
Total marks	10	8

K. Kumar 
Name and Signature of the Faculty Incharge

M. Bhuvanesh 
HoD/ECE


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Tutorial Answer Sheet

Name of the Student : Anushya.S

AU Register Number: 811216106003

Tutorial - 01		Date of Issue:	Marks
Course code	EC6503	03.07.18	10
Year	III	Transmission lines and waveguides	
		Semester/Section	Date of Submission:
		V	10.07.18

Q.No	Questions	CO
1	A Communication line has $R=10.4 \Omega/\text{km}$, $L=3.67 \text{ mH}/\text{km}$, $G=0.08 \mu\text{mho}/\text{km}$ and $C=0.0083 \mu\text{F}/\text{km}$. Determine the characteristic impedance, propagation constant, phase constant, velocity of propagation, sending end current and receiving end current for given freq $f=1 \text{ kHz}$, sending end voltage is 11 volts and transmission line length is 100 km.	C303.1

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

K. Kumar K. Kiy
Name and Signature of the Faculty Incharge

M. Bhuvanesh
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