



Department of Electronics and Communication Engineering
Innovative Teaching Methods

Activity Title	Case Study
Faculty Name/Department	S.Piriyadharshini
Mapped Course Name & Code	EC8651 Transmission Lines and RF Systems
Date	27.04.2023
Benefitted Students (Year / Sem / Dept)	III/VI
Topic	How RF Industries is Building 5G Wireless Networks
Description	The case study approach is particularly useful to employ when there is a need to obtain an in-depth appreciation of an issue, event or phenomenon of interest, in its natural real-life context. Our aim in writing this piece is to provide insights into when to consider employing this approach and an overview of key methodological considerations in relation to the design, planning, analysis, interpretation and reporting of case studies.
Course Outcomes (CO)	CO5: To get acquaintance with RF system transceiver design
Performance Indicator (PI)	1.4.1
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Topics/ Questions:**Marks:**

Group Name	Reg No.	Topic	Marks		Total
			(10)	(10)	(20)
A	311820106001	Receiver System Design	10	10	20
	311820106002		10	10	20
	311820106009		10	10	20
	311820106007		10	10	20
B	311820106003	Phase Noise Simulation	10	10	20
	311820106004		10	10	20
	311820106005		10	10	20

C	311820106006	Two-Tone Simulation of the Receiver System	10	10	20
	311820106011		10	10	20
	311820106013		10	10	20
D	311820106014	RF System Budget Analysis	10	10	20
	311820106016		10	10	20
	311820106017		10	10	20
E	311820106018	RF System Budget Analysis	10	10	20
	311820106305		10	10	20
	311820106302		10	10	20
F	311820106010	Platform- based RF- system design	10	10	20
	311820106020		10	10	20
	311820106022		10	10	20
G	311820106021	How RF Industries is Building 5G Wireless Networks	10	10	20
	311820106025		10	10	20
	311820106301		10	10	20
H	311820106303	Receiver System Design	10	10	20
	311820106306		10	10	20
	311820106702		10	10	20

Outcome:

The purpose of a case study is to learn as much as possible about an individual or group so that the information can be generalized to many others. By these study students will be able to know more about the How RF Industries is Building 5G Wireless Networks.