



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## ELECTRONICS AND COMMUNICATION ENGINEERING ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	<b>B Santhosh Kumar</b>	Department:	<b>ECE</b>
Regulation:	<b>IARE-R18</b>	Batch:	<b>2019-2023</b>
Course Name:	<b>Cellular and Mobile Communications</b>	Course Code:	<b>AECB39</b>
Semester:	<b>VI</b>	Target Value:	<b>60% (1.8)</b>

### Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Demonstrate the cellular mobile system design concepts to improve the Signal to noise ratio and cell coverage	2	2.3	2.1	Target Attained
CO2	Utilize the omni directional and directional antennas to improve the channel capacity and interference reduction.	2.3	2.3	2.3	Target Attained
CO3	Find the Co-channel and non co-channel interferences and their parameters to improve the system capacity.	0.6	2.3	0.9	Target Not Attained
CO4	Illustrate the importance of Handoff for preventing loss of interruption of services to a caller.	0.9	2.3	1.2	Target Not Attained
CO5	Make use of the Numbering and grouping, setup access and paging channels for low traffic in the mobile and land originating calls	3	2.3	2.9	Target Attained
CO6	Infer the Intelligent cell concept and advanced intelligent network for advanced land mobile telecommunication system.	0.9	2.3	1.2	Target Not Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

- CO3: Giving assignments and conducting tutorials on co-channel and non co-channel interferences for more practice  
CO4: Conducting Guest lectures on the importance of Handoff for preventing loss of interruption of services  
CO6: Additional inputs will be provided on the Intelligent cell concept and advanced intelligent network for more practice

*Santhosh*  
Course Coordinator

*Santhosh*  
Mentor

*P. Munaswamy*  
HOD

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