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| **C:\Users\CIET EEE\Desktop\logo.jpg** | **CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**  **Chalapathi Nagar, Lam, Guntur-34** |

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Subject: – LINEAR CONTROL SYSTEMS**

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| Faculty Name: G. SATISH | Year / Sem: B.Tech in ECE 3/1 | Academic Year: 2020-21 |

**Objectives**

1. To provide sufficient theoretical and analytical background to understand the concepts of continuous time linear control systems
2. To make the student to learn the mathematical applications related to control systems
3. To develop skills for applying them in future on various engineering applications
4. To teach the analysis and design of feedback control systems
5. To give an idea on state space analysis, modelling and analysis of linear control systems using state space representation

**Course Outcomes**

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| **C 311.1** | Understand the fundamentals of (feedback) control systems (**Comprehension**) |
| **C 311.2** | compute the mathematical model of a physical systems ( **application**) |
| **C 311.3** | Analyze time and frequency-domain responses of first and second order systems  (**Analysis**) |
| **C 311.4** | Extend the performance of control system towards stability using Compensation techniques (**Comprehension**) |
| **C 311.5** | Solve the system equations using **State space analysis** (**Application** ) |

**Signature of the faculty**