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

| | | | |
|---|---|---|---|
| Name of the faculty: | **Mr. G SATYANARAYANA** | Department: | **Electronics and Communication Engineering** |
| Regulation: | **IARE - R20** | Batch: | **2022-2026** |
| Course Name: | **Mathematical Transform Techniques** | Course Code: | **AHSC07** |
| Semester: | **II** | Target Value: | **50% (1.5)** |

**Attainment of COs:**

| | Course Outcome | Direct Attainment | Indirect Attainment | Overall Attainment | Observation |
|---|---|---|---|---|---|
| CO1 | Explain the properties of Laplace and inverse transform to various functions such as continuous, piecewise continuous, step, impulsive and complex variable functions. | 2.00 | 2.30 | 2.1 | Attained |
| CO2 | Make use of the integral transforms which converts operations of calculus to algebra in solving linear differential equations | 0.30 | 2.30 | 0.7 | Not Attained |
| CO3 | Apply the Fourier transform as a mathematical function that transforms a signal from the time domain to the frequency domain, non-periodic function up to infinity. | 1.60 | 2.30 | 1.7 | Attained |
| CO4 | Apply the definite integral calculus to a function of two or more variables in calculating the area of solid bounded regions | 0.00 | 2.30 | 0.5 | Not Attained |
| CO5 | Develop the differential calculus which transforms vector functions, gradients. Divergence, curl, and integral theorems to different bounded regions in calculating areas. | 0.90 | 2.30 | 1.2 | Not Attained |
| CO6 | Solve Lagrange's linear equation related to dependent and independent variables the nonlinear partial differential equation by the method of Charpit concern to the engineering field | 1.30 | 2.20 | 1.5 | Attained |

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

CO2: Students will be make to practice more problems and assignments on calculus to algebra in solving linear differential equations.

CO4: Students will be make to practice more problems and assignments on multiple integrals under double and triple integrals.

CO5: Students will be make to focus on practice more problems and assignments on vector functions, gradients. Divergence, curl, and integral theorems to different bounded regions in calculating areas.

Course Coordinator          Mentor          Head of the Department