



SOCIETY OF ST. FRANCIS XAVIER, PILAR'S

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 6711 4101, 6711 4104

Website : www.frccs.ac.in • Email : crce@fragnel.edu.in

Computer Engineering

(Academic Year: 2023-2024)

Tutorial Plan: SE Computer-A Class

Course Code: CSC301 (Tutorial)

Course Name: Engineering Mathematics III

Course Teacher: Prof Prasad Lalit

Schedule: Every Friday, 12.00 noon to 1.00 pm

| Course Outcomes (CO): At the End of the course students will be able to | |
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| CSC301.1 | Evaluate the Laplace Transform of a given piecewise continuous function |
| CSC301.2 | Evaluate the inverse Laplace Transform of a given bounded function |
| CSC301.3 | Expand the given periodic function as a Fourier series |
| CSC301.4 | Apply complex variable theory in finding the orthogonal trajectory of the given family of curves |
| CSC301.5 | Apply the concept of Correlation and Regression to engineering problems in data science, machine learning, and AI. |
| CSC301.6 | Apply the concepts of probability and expectation for getting the spread of the data and distribution of probabilities. |



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Tutorial Plan

| Sr. No | EXPERIMENT DETAILS | CO | Planned Date | Actual Date | Remark/HOD's Signature |
|--------|--|----------|--------------|-------------|------------------------|
| 1 | Laplace Transform | CSC301.1 | 04-08-2023 | 04-08-23 | |
| 2 | Inverse Laplace Transform | CSC301.2 | 18-08-2023 | 18-08-23 | |
| 3 | Fourier Series | CSC301.3 | 01-09-2023 | 01-09-23 | |
| 4 | Complex Variable | CSC301.4 | 08-09-2023 | 08-09-23 | |
| 5 | Statistical Techniques: Correlation, Regression, and Curve Fitting | CSC301.5 | 15-09-2023 | 15-09-23 | |
| 6 | Probability | CSC301.6 | 22-09-2023 | 22-09-23 | |

Course Instructor: Prof Prasad Lalit

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