Course Survey - SE- EXTC-Sem III - 2021-2022

SFIT/IQAC/EXTC/CS/SE/Sem-III/2021-22/Rev0

Students are requested to provide feedback about the course based on:
1. Learning the course in the class room
2. Learning through laboratory work/Tutorials/Projects (if applicable)
3. Learning through seminars/Workshops/project competitions/Industrial visits etc.
4. Self-learning (through assignments, test, peer groups, forums, library, others)

Please note this is a feedback on the course studied in the semester and not on the faculty teaching the course.

For each course, check the boxes for the level of course outcomes (High/ Medium/ Low) you have been able to achieve through the corresponding course.

The respondent's email (**dharmankpatel@student.sfit.ac.in**) was recorded on submission of this form.

Student Details

Name *

Dharmank R. Patel

PID Number *

203050

Roll No. *

51

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Class *

◉ SE EXTC A

◯ SE EXTC B

ECC301-Engineering Mathematics-III

COURSE OUTCOMES(CO) OF ECC-301
Students will be able to
CO1: Students will able to evaluate Laplace transform and apply it to solve the real integrals in engineering problems.
CO2: Students will be able to evaluate Inverse Laplace Transform and solve ordinary differential equation with constant coefficient, integral equation.
CO3: Students will be able to expand the periodic function by using Fourier series for real life problems and complex engineering problems.
CO4: Students will be able to evaluate analytic functions, their differentiability and analyticity, Cauchy-Riemann equations, harmonic functions
CO5: Students will be able to use matrix theory to solve the engineering problems.
CO6: Students will be able to apply the concepts of vector calculus in real life problems.

Were you able to understand the concept of Laplace transform and its application to solve the real integrals in engineering problems? *

◉ High

◯ Medium

◯ Low

Were you able to understand the concept of inverse Laplace transform of various functions and its applications in engineering problems? *

◉ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to expand the periodic function by using the Fourier series for real-life problems and complex engineering problems? *

- ◉ High
- ○ Medium
- ○ Low

Were you able toevaluate analytic functions, their differentiability and analyticity, Cauchy-Riemann equations, harmonic functions? *

- ◉ High
- ○ Medium
- ○ Low

Were you able to use matrix theory to solve the engineering problems? *

- ◉ High
- ○ Medium
- ○ Low

Were you able to apply the concepts of vector calculus in real life problems? *

- ◉ High
- ○ Medium
- ○ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103

Overall learning and understanding of the course *

◉ High

○ Medium

○ Low

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECC302-Electronic Devices and Circuits

COURSE OUTCOMES OF ECC-302
1. CO1 Know functionality and applications of various electronic devices.
2. CO2 Explain working of various electronics devices with the help of V-I characteristics.
3. CO3 Derive expressions for performance parameters of BJT and MOSFET circuits.
4. CO4 Evaluate performance of Electronic circuits (BJT and MOSFET based).
5. CO5 Select appropriate circuit for given application.
6. CO6 Design electronic circuit (BJT, MOSFET based) circuits for given specifications

Were you able to remember, understand, classify applications of various electronic devices in real life problem solving? *

◉ High

○ Medium

○ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to understand, classify, apply and analyze working of electronic devices with the help of VI characteristics in real life problem solving? *

◉ High

◯ Medium

◯ Low

Were you able to apply, illustrate and derive expressions for performance parameters in circuits in real life problem solving? *

◉ High

◯ Medium

◯ Low

Were you able to list, understand, examine and evaluate performance of electronic circuits in real life problem solving? *

◉ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

S.F.I.T.
BORIVALI MUMBAI

Were you able to use, identify and analyze appropriate circuit for given application in real life problem solving? *

◉ High

◯ Medium

◯ Low

Were you able to examine, analyze and design electronic circuits for various applications? *

◉ High

◯ Medium

◯ Low

Overall learning and understanding of the course *

◉ High

◯ Medium

◯ Low

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECC303- Digital System Design

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli, Mumbai - 400 103.

COURSE OUTCOMES OF ECC303
CO1: Utilize number system representations and perform their inter-conversions.
CO2: Classify types of digital logic, digital circuits and logic families.

CO3: Analyze, design and implement combinational logic circuits.
CO4: Analyze, design and implement sequential logic circuits.
CO5: Classify different types of memories and PLDs.
CO6: Simulate and implement basic combinational and sequential circuits using VHDL/Verilog.

Were you able to utilize number system representations and perform their inter-conversions? *

- ◉ High
- ○ Medium
- ○ Low

Were you able to classify types of digital logic, digital circuits and logic families? *

- ◉ High
- ○ Medium
- ○ Low

Were you able to analyze, design and implement combinational logic circuits? *

- ◉ High
- ○ Medium
- ○ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to analyze, design and implement sequential logic circuits? *

◉ High

◯ Medium

◯ Low

Were you able to classify different types of memories and PLDs? *

◉ High

◯ Medium

◯ Low

Were you able to simulate and implement basic combinational and sequential circuits using VHDL/Verilog? *

◉ High

◯ Medium

◯ Low

Overall learning and understanding of the course *

◉ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECC304-Network Theory

COURSE OUTCOMES OF ECC304
CO1. Apply their knowledge in analyzing circuits by using network theorems.
CO2. Apply the time and frequency method of analysis.
CO3. Evaluate circuit using graph theory.
CO4. Find the various parameters of two port network.
CO5. Apply network topology for analyzing the circuit.
CO6. Synthesize the network using passive elements.

Were you able to apply your knowledge in analyzing circuits by using network theorems? *

⦿ High

◯ Medium

◯ Low

Were you able to apply the time and frequency method of analysis? *

⦿ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to evaluate circuit using graph theory? *

◉ High

○ Medium

○ Low

Were you able to find the various parameters of two port network? *

◉ High

○ Medium

○ Low

Were you able to apply network topology for analyzing the circuit? *

◉ High

○ Medium

○ Low

Were you able to synthesize the network using passive elements? *

◉ High

○ Medium

○ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Overall learning and understanding of the course *

◉ High

◯ Medium

◯ Low

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECC305-Electronic Instrumentation & Control Systems

COURSE OUTCOMES OF ECC-305
CO1: Identify and operate different measuring instruments.
CO2: Select various sensors and transducers based on the application.
CO3: Apply knowledge of engineering fundamental and derive transfer function for given system.
CO4: Analyze systems in frequency domain, predict system stability and analyze different system parameters
CO5: Analyze systems in time domain and predict system stability using appropriate stability criteria.
CO6: Calculate frequency domain parameter using Bode, Polar and Nyquist plot.

Were you able to identify and operate different measuring instruments? *

◉ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

S.F.I.T.
BORIVALI MUMBAI

Were you able to select various sensors and transducers based on the application? *

⦿ High

◯ Medium

◯ Low

Were you able to apply knowledge of engineering fundamental and derive transfer function for given system? *

⦿ High

◯ Medium

◯ Low

Were you able to analyze systems in frequency domain, predict system stability and analyze different system parameters? *

⦿ High

◯ Medium

◯ Low

Were you able to analyze systems in time domain and predict system stability using appropriate stability criteria? *

⦿ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to calculate frequency domain parameter using Bode, Polar and Nyquist plot? *

- ⦿ High
- ◯ Medium
- ◯ Low

Overall learning and understanding of the course *

- ⦿ High
- ◯ Medium
- ◯ Low

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECL304 Skill Lab: C++ and Java Programming

Students will be able:
CO1: To describe the basic principles of OOP.
CO2: To design and apply OOP principles for effective programming
CO3: To develop programming applications using OOP language.
CO4: To implement different programming applications using packaging.
CO5: To analyze the strength of OOP.
CO6: To percept the Utility and applicability of OOP.

20/3/22
PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to understand the basic principles of OOP? *

○ High

◉ Medium

○ Low

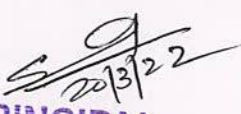Were you able to design and apply OOP principles for effective programming? *

○ High

◉ Medium

○ Low

Were you able to develop programming applications using OOP language? *

○ High

◉ Medium

○ Low

Were you able to implement different programming applications using packaging? *

○ High

◉ Medium

○ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to analyze the strength(advantage) of OOP(over procedural programming)? *

○ High

◉ Medium

○ Low

Were you able to precept the Utility and applicability of OOP? *

○ High

◉ Medium

○ Low

Overall learning and understanding of the course *

○ High

◉ Medium

○ Low

Suggestions for improvement of course content (Mention topics that can be added or removed) *

Nothing to improve

ECM301 Mini Project 1A: Analog & Digital Circuit Design based Projects

COURSE OUTCOMES OF ECM301
After successful completion of the course students will be able to:

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli

1. understand the basics of electronic devices and circuits, electrical circuits and digital systems
2. improve the knowledge of electronics hardware, tools & Equipment.
3. Create the electronics circuit for a particular application/experiment.
4. Design and simulate the circuits by putting together the analog and digital components using different simulation softwares
5. Learn the technique of soldering and circuit implementation on general purpose printed circuit board (GPP).
6. Analysis of hardware fault (Fault detection and correction)

Were you able to understand the basics of electronic devices and circuits, electrical circuits and digital systems ? *

◉ High

◯ Medium

◯ Low

Were you able to improve the knowledge of electronics hardware, tools & Equipment? *

◉ High

◯ Medium

◯ Low

Were you able to create the electronics circuit for a particular application/experiment? *

◉ High

◯ Medium

◯ Low

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

Were you able to design and simulate the circuits by putting together the analog and digital components using different simulation softwares? *
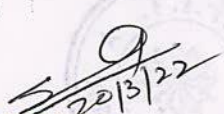
- ◉ High
- ○ Medium
- ○ Low

Were you able to learn the technique of soldering and circuit implementation on general purpose printed circuit board (GPP)? *

- ◉ High
- ○ Medium
- ○ Low

Were you able to do analysis of hardware fault (Fault detection and correction) ? *

- ◉ High
- ○ Medium
- ○ Low

Overall curriculum feedback

20/3/22

PRINCIPAL
St. Francis Institute
Of Technology (Engg-Colle
Mount Poinsur, S. V. P. P
Borivli (West), Mumbai - 40 .03.

To what degree do you agree that the skills gained in this semester is making you internship ready? *

◉ High

◯ Medium

◯ Low

To what degree do you agree that the knowledge, skills and attitude (soft skills, ethics and zest for lifelong learning) gained in this semester is making you placement ready? *

◉ High

◯ Medium

◯ Low

To what degree do you agree that the knowledge gained in this semester is preparing you for competitive examinations in-order to secure admissions in higher education? *

◉ High

◯ Medium

◯ Low

20/3/22

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

S.F.I.T.
BORIVALI, MUMBAI

To what degree do you agree that the designed curriculum deepen your understanding through experiential learning and stimulates research interests? *

(●) High

(○) Medium

(○) Low

Mention your comments towards improvement of the existing curriculum. (Addition or deletion of topics for improvement)

Nothing to improve

This form was created inside of St. Francis Institute of Technology.

Google Forms

20/3/22

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.