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 * 1

203050

Roll No. 3

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Class *

SE EXTC A

○ SE EXTC B

ECC301-Engineering Mathematics-III 11 assumption and a second sec

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

O Low

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

High

Medium

O Low

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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 to evaluate 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 Of Technology (Engg-College)

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Overall learning and understanding of the course *	
HighMedium	
Low	
Suggestions for improvement of course content (Mention topic removed) * Nothing to improve	s that can be added or
	delit (a)
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

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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

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

High

Medium

Low

Low

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Were you able to use, identify a life problem solving? *	ind analyze appropriate circ	cuit for given application in real
High		
O Medium		
O Low		
Were you able to examine, anal	yze and design electronic c	circuits for various applications? *
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Medium		contrada C
O Low		
Overall learning and understan	ding of the course *	
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Medium		
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		will ()
Suggestions for improvement or removed) *	of course content (Mention	topics that can be added or
Nothing to improve	NAMES OF THE PROPERTY OF THE P	
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COURSE OUTCOMES OF ECC303

CO1: Utilize number system representations and perform the Content conversions umbai - 400 103. 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 interconversions? *

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

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Were you ab	le to analyze, desig	n and implement seq	uential logic circuits?	
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Were you ab	e to classify differ	ent types of memorie	s and PLDs? *	
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VHDL/Verilog		mplement basic com	pinational and seque	Titlar circuits using
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Overall learn	ing and understand	ding of the course *		
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		Borivli (West), N	1, 0. v. P. Road, 1umbai - 400 103.	CRIVAL DE LA CONTRACTION DEL CONTRACTION DE LA C

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

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Were you able to	o evaluate circuit	using graph theory?	* FILES IN INSINGE	
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Were you able to	o find the various	parameters of two p	oort network? *	SCA - Aprily tips burnt and need CO3 - Switness creatif making up CO4 - Find thu yolk rup nersure
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Were you able to	o apply network to	opology for analyzin	ng the circuit? *	
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Were you able to	o synthesize the r	network using passiv	ve elements? *	
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Overall learning and understanding of the course *	
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Suggestions for improvement of course content (Mention topics that corremoved) * Nothing to improve	an be added or
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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 sys CO5: Analyze systems in time domain and predict system stability using appropriate stability CO6: Calculate frequency domain parameter using Bode, Polar and Nyquist plot.	tem parameters
Were you able to identify and operate different measuring instruments	7 *
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PRINCIPAL St. Francis Institute Of Technology (Engg-College) Mount Poinsur, S. V. P. Road, Borivli (West), Mumbai - 400 103.	April (6)

Were you able to select various sensor	rs and transducers based on the application? *
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Were you able to apply knowledge of e for given system? *	engineering fundamental and derive transfer function
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Were you able to analyze systems in ti appropriate stability criteria? *	me domain and predict system stability using
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O Low	St. Francis Institute Of Technology (Engg-College) Mount Poinsur, S. V. P. Road, Borivli (West), Mumbai - 400 103.

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Overall learning and under	standing of the course *		
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suggestions for improvement	ent of course content (Me	ention topics that car	ı be added or
lothing to improve			

CL304 Skill Lab: C++ and .	Java Programming		
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idents will be able:			20

CO6: To percept the Utility and applicability of OOP.

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Wer	re you able to	understand the b	asic principles	of OOP? *		
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0	Low					
Wer	re you able to	design and apply	OOP principle	s for effective	orogramming?	*
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Wei	re you able to	implement differ	ent programm	ing applications	s using packagi	ng? *
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COURSE OUTCOMES OF ECM301

After successful completion of the course students will be able to:

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- 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 under and digital systems?	erstand the basics of electronic devices and circu	uits, electrical circuits
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Were you able to impr	ove the knowledge of electronics hardware, tool	s & Equipment? *
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Were you able to creat	te the electronics circuit for a particular applicati	ion/experiment? *
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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

PRINCIP St. Francis Institute Of Technology (Engg-Collective Mount Poinsur, S. V. P. P. Borivii (West), Mumbai - 405 ก่อง.

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

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

- High
- Medium
- O Low

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

Nothing to improve

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