St. Joseph's

COLLEGE OF ENGINEERING AND TECHNOLOGY, - PALAI -

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Cycle 1 - NAAC Accreditation 2023

Criterion - 1

Curricular Aspects

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during the last five years)

Submitted to:

National Assessment and Accreditation Council

Criterion - 1
<u>Curricular Aspects</u>

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1.2 Academic Flexibility

- *1.2.1 Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during the last five years)*

  ✔ 1.2.1.1: Number of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. during the last five years: 223

Academic Year	Add on / Certificate/ Value Added Programmes (More than 30 hours)	MOOCS			TOTAL
		SWAYAM	NPTEL	OTHERS	
2022-2023	4		22	10	36
2021-2022	7		38	10	55
2020-2021	10	1	12	18	41
2019-2020	1		34	20	58
2018-2019	1		26	6	33
Total					**223**

Academic Year 2022-2023

Academic Year 2021-2022

Academic Year 2020-2021

Academic Year 2019-2020

Academic Year 2018-2019

Link to Sample Document

List of students and attendance -ACADEMIC YEAR 2022-2023

Sl. No	Name of the Add on / Certificate/ Value Added /MOOC Programs	Offered By	Number of students completed
1	Course on Logical & Critical Thinking -II	SJCET	490
2	Course on Logical & Critical Thinking -I	SJCET	514
3	Value Added Course on Microsoft Excel	SJCET	38
4	Introduction to Engineering Studies	SJCET	541
5	NPTEL-Cryptography and Network Security	NPTEL	4
6	NPTEL-Deep Learning	NPTEL	2
7	NPTEL-Introduction to Industry 4.0 And Industrial Internet Of Things	NPTEL	7
8	NPTEL-Programming In Java	NPTEL	3
9	NPTEL-Performance and Reward Management	NPTEL	9
10	NPTEL-Managerial Skills for interpersonal dynamics	NPTEL	1
11	NPTEL-Applied Accelerated Artificial Intelligence	NPTEL	1
12	NPTEL-The Joy of Computing using Python	NPTEL	4
13	NPTEL - Digital Circuits	NPTEL	2
14	NPTEL-Wastewater Treatment and Recycling	NPTEL	7
15	COURSERA-AI For Everyone	COURSERA	2
16	NPTEL The Joy of Computing Using Python	NPTEL	2
17	COURSERA- Digital Forensics Concepts	COURSERA	1
18	NPTEL-Toyota Production System	NPTEL	3
19	NPTEL-Innovation Business Models And Entrepreneurship	NPTEL	3
20	NPTEL- Services Marketing:Integrating People,Technoloy,Strategy	NPTEL	4
21	NPTEL- Strategic Sales Management	NPTEL	6
22	NPTEL-Big Data Computing	NPTEL	1
23	NPTEL-Ecology and Environment	NPTEL	1
24	NPTEL -Electrical Distribution System	NPTEL	1

25	NPTEL-Programming, data structures and algorithms using python	NPTEL	2
26	INTERSHALA- Programming in Python	INTERNSHALA	1
27	NPTEL-Product Design and Development	NPTEL	1
28	NPTEL-Python for Data Science	NPTEL	2
29	COURSERA-Introduction to Psychology	COURSERA	1
30	COURSERA-Python for everybody	COURSERA	1
31	COURSERA-Mathematics for machine learning: Multivariate Calculus	COURSERA	1
32	COURSERA-Foundations: Data ,Data, Everywhere	COURSERA	1
33	Coursera :Technical Support Fundamentals	COURSERA	1
34	NPTEL-Biomedical Nanotechnology	NPTEL	1
35	COURSERA-Mathematics for Machine Learning	COURSERA	1
36	COURSERA-Supervised machine learning: Regression and Classification	COURSERA	1

List of students and attendance -ACADEMIC YEAR 2021-2022

Sl. No	Name of the Add on / Certificate/ Value Added /MOOC Programs	Offered By	Number of students completed
1	Course on Mastering the Art of Reasoning -II	SJCET	390
2	Course on Mastering the Art of Reasoning -I	SJCET	433
3	Value added course on Entrepreneurship Development	SJCET	44
4	Value added course on Financial Services	SJCET	44
5	Value Added Course on Microsoft Excel	SJCET	44
6	Technical Lectures	SJCET	88
7	Introduction to Ansys Simulation	SJCET	44
8	COURSERA -Algorithmic Toolbox	COURSERA	3
9	NPTEL- Embedded System Design	NPTEL	1
10	NPTEL- GERMAN 3	NPTEL	4
11	NPTEL- Non conventional Energy Resources	NPTEL	1
12	NPTEL-Soft Skills	NPTEL	7

13	NPTEL - Enviornment and Development	NPTEL	2
14	NPTEL- Air Pollution and Control	NPTEL	13
15	NPTEL-Non Conventional Energy Resources	NPTEL	1
16	NPTEL-Non-conventional energy resources	NPTEL	4
17	NPTEL-Ic engines and gas turbines	NPTEL	3
18	NPTEL-Discrete Mathematics	NPTEL	3
19	NPTEL-Ethical Hacking	NPTEL	1
20	NPTEL-Cryptography and Network Security	NPTEL	5
21	NPTEL-Problem Solving through Programming in C	NPTEL	4
22	NPTEL-Introduction To Industry 4.0 And Industrial Internet Of Things	NPTEL	10
23	NPTEL-Introduction to Internet Of Things	NPTEL	7
24	NPTEL-Social Networks	NPTEL	1
25	NPTEL-Introduction to Database Systems	NPTEL	3
26	NPTEL-Deep Learning	NPTEL	2
27	NPTEL-Software Testing	NPTEL	2
28	NPTEL-Computer Architecture	NPTEL	1
29	NPTEL-Entrepreneurship essentials	NPTEL	2
30	NPTEL-Computer Networks and Internet Protocols	NPTEL	1
31	NPTEL-Foundation of Cryptography	NPTEL	2
32	NPTEL-Data Analytics with Python	NPTEL	1
33	COURSERA- Data Structures	COURSERA	4
34	NPTEL- Services Marketing:Integrating People,Technoloy,Strategy	NPTEL	8
35	NPTEL- Emotional Intelligence	NPTEL	2
36	NPTEL-Innovation Business Models And Entrepreneurship	NPTEL	4
37	NPTEL -Managing Services	NPTEL	10
38	NPTEL- Strategic Performance Management	NPTEL	1
39	NPTEL-Soft Skill DEvelopment	NPTEL	4
40	NPTEL-Enhancing Soft Skills and Personality	NPTEL	1
41	NPTEL - Human Behaviour	NPTEL	1

42	NPTEL - Thae future of manufacturing business:Role of digital technologies	NPTEL	1
43	NPTEL-Building Materials and Composites	NPTEL	2
44	NPTEL-Natural Hazards	NPTEL	1
45	NPTEL-Introduction to Operating Systems	NPTEL	1
46	NPTEL-Cloud Computing and Distributed Systems	NPTEL	5
47	COURSERA- mathematics for Machine Learning:Linear Algebra	COURSERA	1
48	COURSERA- mathematics for Machine Learning:Multivariate Calculus	NPTEL	1
49	Spoken Tutorial C	IIT BOMBAY	96
50	MOOC:Business Management Course	MOOC	1
51	Mycaptain Illustrationes and Dooding Course	Mycaptain	1
52	COURSERA- Python basics	COURSERA	3
53	NPTEL-Business Analytics & Data Mining Modelling using R-Part II	NPTEL	1
54	COURSERA-Solar Energy Basics	NPTEL	1
55	COURSERA-Crash course on Python	NPTEL	1

List of students and attendance -ACADEMIC YEAR 2020-2021

Sl. No	Name of the Add on / Certificate/ Value Added /MOOC Programs	Offered By	Number of students completed
1	Essentials of Mathematics & Sciences	SJCET	487
2	Basics of Professional English	SJCET	483
3	CAD/VAC	SJCET	479
4	Course on Advancing Logic and Critical Thinking -II	SJCET	317
5	Course on Advancing Logic and Critical Thinking -I	SJCET	387
6	Value Added Course on Universal Human Values	SJCET	20
7	International Workshop on Machine Learning Application - An International Perspective.	SJCET	33
8	Add on Course on Ethics in Engineering	SJCET	70
9	Add on Course on Professional Communication	SJCET	75

10	Introduction to Emerging Technologies in Industry and Research	SJCET	57
11	NPTEL-Integrated Waste Management for Smart Cities	NPTEL	2
12	NPTEL-Principle of Management	NPTEL	1
13	NPTEL-Municipal Solid waste Management	NPTEL	2
14	NPTEL-Advanced Fluid Mechanics	NPTEL	1
15	NPTEL-Programming in Java	NPTEL	1
16	NPTEL-Problem solving through Programming In C	NPTEL	1
17	NPTEL-Microprocessors and Microcontrollers	NPTEL	1
18	NPTEL-PROBLEM SOLVING THROUGH PROGRAMMING IN C	NPTEL	1
19	IBM: Introduction to data Science	IBM	1
20	MOOC: Robotics Course	IEEE	1
21	SWAYAM -Entrepreneurship development	SWAYAM	2
22	Spoken Tutorial C	IIT BOMBAY	13
23	Spoken Tutorial Java	IIT BOMBAY	3
24	NPTEL-Project Planning and Control	NPTEL	10
25	NPTEL-Data Base Management System	NPTEL	1
26	NPTEL-Landscape Architecture And Site Planning Basic Fundamentals	NPTEL	2
27	NPTEL-Aircraft structures-1	NPTEL	1
28	MOOC :Fundamentals of Digital Marketing	GOOGLE	3
29	Add-on :C Programming Fundamentals	SJCET	5
30	Coursera Astronomy: Exploring time and Space	COURSERA	1
31	Coursera The science of Solar Systems	COURSERA	1
32	Coursera Build a modern computer from first principles: From Nand to Tetris	COURSERA	1
33	Coursera python basics	COURSERA	2
34	Unschool: Community program: Sales and Marketing Intern	UNSCHOOL	1
35	Coursera Introduction to search engine optimization	COURSERA	1
36	Coursera Internet of Things: How did we get here	COURSERA	3
37	Coursera Doing more with SAS Programming	COURSERA	1

38	MOOC: Internship & Job Preparation	MOOC	2
39	MOOC: Python & Data Analytics	MOOC	1
40	MOOC: CODERS HOUSE: Programming in Python	MOOC	2
41	Coursera Crash course on python	COURSERA	1

List of students and attendance -ACADEMIC YEAR 2019-2020

Sl. No	Name of the Add on / Certificate/ Value Added /MOOC Programs	Offered By	Number of students completed
1	Course on Harnessing the Power of Critical Thought -II	SJCET	415
2	Course on Harnessing the Power of Critical Thought -I	SJCET	317
3	Course on Harnessing the Power of Critical Thought -Basics	SJCET	387
4	Planning a Residential Building-From Site to Handover	SJCET	49
5	NPTEL-Wastewater Treatment And Recycling	NPTEL	2
6	NPTEL-Entrepreneurship	NPTEL	1
7	NPTEL-Introduction to Internet of Things	NPTEL	37
8	NPTEL-Ethical Hacking	NPTEL	5
9	NPTEL-Introduction to Machine Learning	NPTEL	1
10	NPTEL-Problem solving through Programming In C	NPTEL	1
11	NPTEL-Social Networks	NPTEL	2
12	NPTEL-Conduction and Convection heat transfer	NPTEL	1
13	NPTEL- Fundamentals of automotive systems	NPTEL	1
14	NPTEL- Experimental Methods in Fluid Mechanics	NPTEL	1
15	NPTEL- Engineering Metrology	NPTEL	2
16	NPTEL-Introduction to Internet of things	NPTEL	6
17	NPTEL- Electronic Systems for Cancer Diagnosis	NPTEL	6
18	NPTEL-An introduction to programming through C++	NPTEL	1
19	NPTEL-Plastic Waste Management	NPTEL	4
20	NPTEL-Introduction to Civil Engineering Profession	NPTEL	3
21	NPTEL-Cloud Computing	NPTEL	4
22	NPTEL-Data Base Management System	NPTEL	8

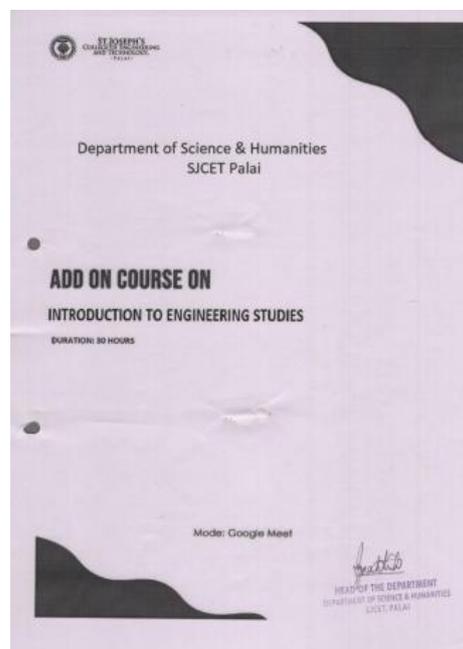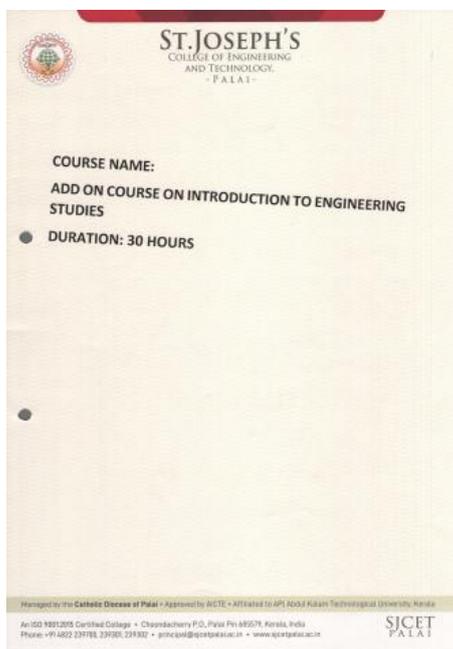| 23	NPTEL-Cloud Computing	NPTEL	1
24	NPTEL-Introduction to Smart grid	NPTEL	1
25	NPTEL-Marketing Management	NPTEL	1
26	NPTEL-Developing soft skills and personality	NPTEL	1
27	NPTEL-Programming datastructures and algorithms using Python	NPTEL	2
28	INTERNSHALA- Programming with C and C++	INTERNSHALA	1
29	INTERNSHALA- Programming with Python	INTERNSHALA	1
30	Spoken Tutorial Python	IIT BOMBAY	40
31	Spoken Tutorial Java	IIT BOMBAY	51
32	NPTEL-Geotechnical Engineering Laboratory	NPTEL	17
33	NPTEL-Introduction To Geographic Information Systems	NPTEL	1
34	NPTEL-Electronic Waste Management - Issues And Challenges	NPTEL	7
35	NPTEL-Electric Vehicles	NPTEL	3
36	COURSERA- Introduction to HTML5	COURSERA	1
37	COURSERA-The Bits and Bytes of Computer Networking	COURSERA	1
38	COURSERA- VR and 360 Video Production	COURSERA	3
39	COURSERA- Electric Power Systems	COURSERA	3
40	COURSERA-Project: Visual Machine Learning with Yellowbrick	COURSERA	1
41	COURSERA- Energy Production,Distribution & Safety	COURSERA	1
42	COURSERA- Technical Support Fundamentals	COURSERA	1
43	NPTEL- Product design using value engineering	NPTEL	1
44	NPTEL- Product Design and Innovation	NPTEL	1
45	NPTEL-Selection of Nanomaterials for Energy Harvesting and Storage applications	NPTEL	1
46	NPTEL-Inspection and Quality Control in Manufacturing	NPTEL	4
47	NPTEL-Biomedical Nanotechnology	NPTEL	4
48	NPTEL-Understanding Design	NPTEL	1
49	Coursera-The evolving universe	COURSERA	1
50	Coursera-Neural networks and deep learning	COURSERA	1
51	NPTEL-GPS Surveying	NPTEL	2

52	Coursera-Anatomy : Musculoskeletal and Integumentary Systems	COURSERA	1
53	Coursera-Computational Neuroscience	COURSERA	2
54	Coursera-Introduction to Cybersecurity tools and Cyberattacks	COURSERA	1
55	Coursera-Python Basics	COURSERA	1
56	Coursera-Python functions, files and dictionaries	COURSERA	1
57	Coursera-The technology of music production	COURSERA	1
58	Coursera-Crash course on Python	COURSERA	1

List of students and attendance -ACADEMIC YEAR 2018-2019

Sl. No	Name of the Add on / Certificate/ Value Added /MOOC Programs	Offered By	Number of students completed
1	Course on Logical & Critical Thinking	SJCET	406
2	NPTEL-The Joy of Computing using Python	NPTEL	4
3	NPTEL-Deep Learning	NPTEL	1
4	NPTEL-Blockchain Architecture Design and Use Cases	NPTEL	1
5	NPTEL-Artificial Intelligence: Search Methods for Problem solving	NPTEL	1
6	NPTEL-Programming in Java	NPTEL	1
7	NPTEL-Control Engineering	NPTEL	1
8	NPTEL: Introduction to internet of Things	NPTEL	1
9	NPTEL-Energy Conservation and Waste Heat Recovery	NPTEL	1
10	NPTEL-Introduction to Programming in C	NPTEL	5
11	NPTEL-Introduction to Machine Learning	NPTEL	1
12	NPTEL-Data Base Management Systems	NPTEL	22
13	NPTEL-Automatic Control	NPTEL	1
14	NPTEL: Analog Circuits	NPTEL	2
15	NPTEL-Automatic control	NPTEL	1
16	NPTEL-Introduction to airplane performance	NPTEL	1
17	NPTEL-Joining Technologies for Metals	NPTEL	1
18	NPTEL- Advances in UHV Transmission and Distribution	NPTEL	1
19	NPTEL-Enhancing Soft Skills and Personality	NPTEL	1

20	NPTEL-Plastic Waste Management	NPTEL	20
21	Spoken Tutorial Latex	IIT BOMBAY	9
22	Spoken Tutorial Java	IIT BOMBAY	61
23	Python Bootcamp: Go from Zero to hero in Python	UDEMY	1
24	MOOC: Java Programming	MOOC	1
25	Udemy:Python Basics	UDEMY	1
26	NPTEL-Introduction To Remote Sensing	NPTEL	1
27	Coursera: Machine Learning	COURSERA	1
28	NPTEL:Real Time operating Systems	NPTEL	1
29	NPTEL-Product Design and Development	NPTEL	13
30	NPTEL-Product Design and Innovation	NPTEL	4
31	NPTEL-Inspection and Quality Control in Manufacturing	NPTEL	18
32	NPTEL-Reinforced Concrete Road Bridges	NPTEL	12
33	NPTEL-Electronic Waste management- Issues and challenges	NPTEL	27

Sample List of Students and attendance sheet

List of Students enrolled for Add on Course 2022-23

Course name: Introduction to Engineering Studies

Roll No.	Name	Branch & Batch	Signature
	Branch: AI & DS		
1	AARON JOHNS	AI&DS	
2	AARON MATHEW ZACHARIAH	AI&DS	
3	ABHA JAYAKRISHNAN	AI&DS	
4	ABIA ANTONY	AI&DS	
5	ABIN B	AI&DS	
6	ABIN JOSEPH	AI&DS	
7	ACHYUTH V A	AI&DS	
8	ADHITHYA A S	AI&DS	
9	ADITH ABHILASH	AI&DS	
10	ADITHYA SAJEEV WARRIER	AI&DS	
11	AISWARYA JOSY	AI&DS	
12	ALDRIN BINU	AI&DS	
13	ALEX KURIAKOSE	AI&DS	
14	ALEX TITTO ZACHARIAS	AI&DS	
15	AMMU ELIZABETH ALEXANDER	AI&DS	
16	ANAKHA PRAKASH	AI&DS	
17	ANEENA M S	AI&DS	
18	ANNU JAISON	AI&DS	
19	ARATHI MOHAN	AI&DS	
20	ARCHA SATHEISH	AI&DS	
21	ARUN MOHAN M K	AI&DS	
22	ASHLY VINOD	AI&DS	
23	ASHWIN SREENIVASAN	AI&DS	
24	ATHUL ZACHARIA ALEX	AI&DS	
25	BASIL BABY	AI&DS	
26	BEN SCARIA KURIAN	AI&DS	
27	CHRISTO DEVASIA	AI&DS	
28	DAVIS THOMAS	AI&DS	
29	EJO BENNY	AI&DS	
30	GEORGE JOSEPH	AI&DS	

List of Students enrolled for Add on Course 2022-23

Course name: Introduction to Engineering Studies

31	HARISH PRASAD	AI&DS	
32	JASMINE NELSON	AI&DS	
33	JAYAKRISHNAN K.V	AI&DS	
34	JEFFY JOSEPH K.I	AI&DS	
35	JESWIN CHERIYAN PRIJI	AI&DS	
36	JOEL T VARGHESE	AI&DS	
37	JONAH PRAMOD PHILIP	AI&DS	
38	KEERTHANA P	AI&DS	
39	KSHETHRA RAJITH	AI&DS	
40	MANU MATHEW	AI&DS	
41	MEENAKSHY SABU	AI&DS	
42	NAMITHA ANNA KOSHY	AI&DS	
43	NANDANA NANDAGOPAN	AI&DS	
44	NANDINI NAVIN NAIR	AI&DS	
45	NAHF NAZAR	AI&DS	
46	NEHA P S	AI&DS	
47	NITHIN S	AI&DS	
48	PRIYA SHAJI	AI&DS	
49	RITHIKA KRISHNA	AI&DS	
50	ROHAN JINU VARGHESE	AI&DS	
51	RON THOMAS ROY	AI&DS	
52	ROSHAN ANTONY	AI&DS	
53	SANIA JIMMY	AI&DS	
54	SANJANA	AI&DS	
55	SEBIN K THOMAS	AI&DS	
56	SHIFIL THERES SABU	AI&DS	
58	SHINTO THOMAS	AI&DS	
59	STANLY SUNNY	AI&DS	
60	TESSA JOHNSON	AI&DS	
61	THOMAS PAUL C.I	AI&DS	
62	U R HARIKESH	AI&DS	
63	VIDHUSANKAR C H	AI&DS	
64	VISHNU C B	AI&DS	