

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Department	Year	Conferences, Seminars, Workshops on quality conducted	Academic Administrative Audit (AAA) and initiation of follow up action	Participation in NIRF along with Status.	ISO Certification. and nature and validity period	NBA or any other certification received with program specifications.	Collaborative quality initiatives with other institution(s) (Provide name of the institution and activity)	Orientation programme on quality issues for teachers and students organised by the institution, Date (From-To) (DD-MM-YYYY)
Food Technology	2022	Aicte Sponsored On Site International Conference	IQAC audit even Semester 2021	NA	NA	Department of Computer science Engineering,)Department of Electrical and Electronic Engineering,Department of Petrochemical Engineering and Department of Mechanical Engineering (NBA Accredated in AY 2021-2022 (NBA Accredated in AY 2021-2022))	No	Future Challenging in Mobile App Development (24-10-2021 to 01-11-2021)
Electronic and communication engineering	2022	Programmable Logic Controller Designing	IQAC audit even Semester 2021	NA	NA		No	Recent Advancement In Communication And Wireless Network(01-03-22 To 05-03-22)
petrochemical engineering	2022	Webinar: Recent Treends In Waste Water Treatment Technologies	IQAC audit even Semester 2021	NA	NA		No	Nil
	2022	National Level Technical Symposium: J-Finangles	IQAC audit even Semester 2021	NA	NA		No	Nil
	2022	Webinar: Safety In Petrochemical Industry	IQAC audit even Semester 2021	NA	NA		No	Nil
computer science engineering	2022	Mobile Development Application	IQAC audit even Semester 2021	NA	NA		No	Nil
Petroleum engineering	2022	Outcome based education	IQAC audit even Semester 2021	NA	NA		No	Future challenges in hydrocarbon exploration as FDP (24-10-2021 to 01-11-2021)



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Department of Computer Science and Engineering

6.5.3 Quality assurance initiatives of the institution include:

Year	Confernces, Seminars, Workshops on quality conducted	Academic Administrative Audit (AAA) and initiation of follow up action	
2022	Mobile Development Application	IQAC audit even Semester 2021	

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Circular

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR DATE:07/04/2022

It is here by informed that the department of CSE is organizing five days Value added course on "**Mobile Development Application**" on 18-04-2022 to 22-04-2022 in the seminar hall. The students of Third year CSE are instructed to attend the course without fail.

To be noticed:

Third Year CSE

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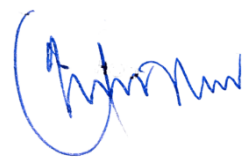
Copy to:

1. Principal
2. All HOD's.
3. Department Notice Board

- 1.Introduction to mobile applications
- 2.History of mobile technology
- 3.Importance of mobile applications
- 4.Architecture of Android
- 5.User interface Layout, Controls
- 6.Event handling
- 7.Custom components in Android
- 8.Android content providers
- 9.Android notifications

Syllabus

- 10.Location based services



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

*This is to certify that Mr/Ms..... **PANNEER SELVAM K**.....
has successfully completed the certificate course
on **"Mobile Application Development"**,
course code **"CC 3601"**, duration 35 hours
at **JCT College of Engineering and Technology, Coimbatore**.*

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STUDENT FEEDBACK

Name of the student:.....Surya Kumar.....Sex(M/F):.....

Department:.....CSE.....Email id:.....

Mobile Number:

[Tick (✓) in the relevant cell]

Parameters	A Very good	B Good	C Satisfactory	D Unsatisfactory
1.Knowledge based of the teacher(as perceived by you)	✓			
2.Communication skills (in terms of articulation and comprehensibility)		✓		
3.Sincerity/Commitment of the teacher		✓		
4.Interest generated by the teacher	✓			
5.Ability to integrate course material with environment/other issue to provide a broader perspective			✓	
6.Ability to integrate content with other courses	✓			
7.Accessibility of the teacher in and out of the class(includes availability of the teacher to motivate further study and discussion outside class)	✓			
8.Ability to design quizzes/tests/assignment/examination and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10.Overall rating	✓			

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STUDENT FEEDBACK

Name of the student: AKASH KUMAR Sex(M/F):

Department: CSE-III Email id:

Mobile Number

[Tick (✓) in the relevant cell]

Parameters	A Very good	B Good	C Satisfactory	D Unsatisfactory
1.Knowledge based of the teacher(as perceived by you)	✓			
2.Communication skills (in terms of articulation and comprehensibility)			✓	
3.Sincerity/Commitment of the teacher	✓			
4.Interest generated by the teacher		✓		
5.Ability to integrate course material with environment/other issue to provide a broader perspective	✓			
6.Ability to integrate content with other courses	✓			
7.Accessibility of the teacher in and out of the class(includes availability of the teacher to motivate further study and discussion outside class)	✓			
8.Ability to design quizzes/tests/assignment/examination and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10.Overall rating	✓			

[Signature]

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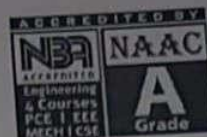
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STUDENT FEEDBACK

Name of the student: Aditi Kumari Sex(M/F):

Department: CSE-19 Email id:

Mobile Number

[Tick (✓) in the relevant cell]

Parameters	A Very good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge based of the teacher(as perceived by you)	✓			
2. Communication skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity/Commitment of the teacher			✓	
4. Interest generated by the teacher	✓			
5. Ability to integrate course material with environment/other issue to provide a broader perspective		✓		
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class(includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes/tests/assignment/examination and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback	✓			
10. Overall rating		✓		

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6.5.3 Quality assurance initiatives of the institution include:

Year	Conferences, Seminars, Workshops on quality conducted	Academic Administrative Audit (AAA) and initiation of follow up action	Participation in NIRF along with Status.	ISO Certification. and nature and validity period	NBA or any other certification received with program specifications.	Collaborative quality initiatives with other institution(s) (Provide name of the institution and activity)	Orientation programme on quality issues for teachers and students organised by the institution, Date (From-To) (DD-MM-YYYY)
2022	Programmable Logic Controller Designing	Iqac Audit Even Semester 2021	NA	NA		NA	Recent Advancement In Communication And Wireless Network(01-03-22 To 05-03-22)



[Handwritten Signature]
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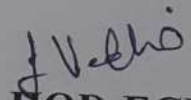
Department of Electronics and Communication Engineering

CIRCULAR

02.11.2021

We are planning to conduct a five days value added course on "PROGRAMMABLE LOGIC CONTROLLER DESIGNING" from 20th November 2021 to 18th December 2021 (All Saturdays) in our department. So we kindly request all the students to participate in this course and update your technical knowledge.


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HOD-ECE

Circulation to:

- To be displayed on Notice Board.



Department of Electronics and Communication Engineering

From ,

Mr.M.Kannan

ECE department,

JCT college of Engineering and Technology,

Pichanur , Coimbatore .

To ,

The principal ,

JCT college of Engineering and Technology,

Pichanur , Coimbatore .

Respected sir,

Subject: Regard the permission for conducting an value added course

We are planning to conduct a five days value added course on "PROGRAMMABLE LOGIC CONTROLLER DESIGNING" from 20th November 2021 to 18th December 2021. So my humble request you to grant me permission to conduct the value added course.

Date: 02/11/2021

Place: Pichanur

Yours sincerely,


Mr.M.Kannan

AP/ECE


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PROGRAMMABLE LOGIC CONTROL

COURSE CONTENT&ASSESSMENT

1. COURSE OUTCOMES

The theory should be taught and practical should be carried out in such a manner that students are able to acquire different learning outcomes in cognitive, psychomotor and affective domain to demonstrate following course outcomes.

- i. Operate PLC.
- ii. Use PLC memory.
- iii. Use Boolean algebra to simplify designs.
- iv. Use Ladder Logic Function and advance function for PLC programming.
- v. Select PLCs for relevant applications.

2. COURSE CONTENT DETAILS

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit – I. PLC Overview	1a. Describe principle of operation of PLC 1b. Differentiate between PLC and computer controlled systems 1c. Describe hardware components of PLC. 1d. Explain the block diagram of PLC.	Principles of operation of PLC PLC verses computer PLC hardware components Scan time of a cycle. Industrial PLC. Application of PLCs.
Unit– II PLC Memory and Logical Sensor	2a. Explain different types of memories available for PLC. 2b. Distinguish between various data files: User Bits Memory, Timer Counter Memory, PLC Status Bits, User Function Control Memory, Integer Memory, Floating Point Memory 2c. Use addresses for locations in memory. 2d. Distinguish between Switches, TTL, Sinking and sourcing, Connection of switch 2e. Distinguish the various types of human/ product presence detection sensors 2f. Select sensors for a given application.	Memory Address. Program Files. Data files: User Bits Memory, Timer Counter Memory, PLC Status Bits, User Function Control Memory, Integer Memory, Floating Point Memory Sensor wiring: Switches, TTL, Sinking and sourcing, Connection of switch Human/ product Presence Detection Sensors: Reed Switch, Optical Sensor, Capacitive Sensor, Inductive Sensor

Unit- III Boolean Logic Design and Timers, Counter , Latch Concept	3a. Explain logic design for a given application 3b. Simplify designs with Boolean algebra. 3c. Use timers, latch and counters in various designs 3d. Use counter as per requirement Apply latch in ladder logic	Boolean algebra: Rules of Boolean Algebra, Logic Design for a given application Common Logic Forms: Complex gate forms, Multiplexer. Timers: On-delay timer, Off-delay timer, Retentive timer. Counters: Up-Counters, Down-Counter, Up-Down Counter. Master Control Relay.
Unit- IV Ladder Logic Function and Advance Function	4a. Explain various programme control instructions 4b. Manipulate the data for various applications 4c. Develop ladder logics for a particular design 4d. Develop programmes for given applications.	Data handling Function: Move Function, Mathematical Function, Conversion Function Logic Function: Comparison of Value, Boolean Function List Function: Shift registers, Stacks, Sequencer Program Control: Branching and looping.
Unit-V Selecting PLC	5a. State the criteria for selection of PLC 5b. Select right PLC for a given application. 5c. Prepare the specifications of a PLC	Analog Input – Output Module. Discrete Input – Output Module. PLC selection criteria. PLC specifications

3. SUGGESTED SPECIFICATION TABLE WITH HOURS AND MARKS (THEORY)

Unit No.	Unit Title	Teaching Hours
I	PLC Overview	3
II	PLC Memory Logic Sensor	10
III	Boolean Logic Design and Timers, Counter, Latch Concept.	10
IV	Ladder logic function and Advance Function	9
V	Selecting PLC	3
	Total	35

Legends: R = Remember U = Understand; A = Apply and above levels (Bloom's revised taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

4. SUGGESTED LIST OF EXERCISES/PRACTICALS

The practical/exercises should be properly designed and implemented with an attempt to develop different types of skills (**outcomes in psychomotor and affective domain**) so that students are able to acquire the competencies/programme outcomes. Following is the list of practical exercises for guidance.

S. No.	Unit No.	Practical Exercises (outcomes in Psychomotor Domain)	Approx Hours. required
1	I	Demonstrate Step 7- Micro/Win 32 and the S7-200 PLC	1
2	V	Exposure to programming examines the function of Bit Logic Instructions.	2
3	V	Exposure to programming examines the function of SEQUENCER.	2
4	IV	Test and Identify different types of TIMER.	1
5	IV	Test and Identify different types COUNTER.	2
6	V	Explore programming examines of the Program Control Instructions.	2
7	V	Explore programming examines the function of Math Instructions.	1
8	III	Identify Different types of LADDER LOGIC.	2
9	IV	Develop ladder programming for a given statement - To on the bulb1 after 5sec of switch1 on. Turn the bulb2 on after the 5 sec of bulb1 on and test.	2
10	IV	Develop ladder programming for a given statement -To on the bulb after 5sec of switch off. Turn the bulb2 off after the 5 sec of bulb1 on and test.	2
11	IV	Develop ladder programming for a given statement - To watch the on time of switch if total time excludes the limit, turn the bulb off and test.(Retentive Timer)	2
12	IV	Develop ladder programming for a given statement -To count a car and give signal for empty space and test.	2
13	V	Develop ladder programming for a given statement - To on or off the motor via one switch and test.	2
14	IV	Develop ladder programming for a given statement -To operate four bulbs in series and test.	1
15	IV	Develop ladder programming for a given statement - To operate three floor elevators and test.	1
16	IV	Design a ladder to operate bottler filling plan and test	1
Total Hours			26


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5. SUGGESTED LIST OF STUDENT ACTIVITIES

Following is the list of proposed student activities such as:

- i. Prepare journals based on practical performed in laboratory.
- ii. Assignments on solving Boolean algebra.
- iii. Prepare/Download a dynamic animation to illustrate the following:
 - a) Working principle of Timer
 - b) Working principle of Counter
 - c) Working of different types Ladder logic.
- iv. Carry out a market survey of local dealers for PLC and compare them on mentioned points: (a) Rating (b) Memory (c) Cost (d) Programming language and (e) Performance
- v. Download the catalogue of PLC from websites of reputed manufacturers such as SIEMENS, FATEK, DELTA, ABB, and OMRON etc. to learn the latest developments.

A. List of Software/Learning Websites

- i. www.plcs.net
- ii. www.automation.siemens.com
- iii. www.abb.co.in
- iv. www.ia.omron.com




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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE-105
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
PROGRAMMABLE LOGIC CONTROLLER DESIGNING
ATTENDANCE REPORT"



			DATE	20/11/2021							27/11/2021							4/12/2021							11/12/2021							18/12/2021						
			HOURS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
s.no	REG.NO	NAME																																				
1	720920106001	BARATH P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2	720920106002	DHANUJNAI N A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
3	720920106003	JAGAMSETTY SAIKIRAN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
4	720920106004	NANDHAKUMAR Y	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
5	720920106006	T SATHISHKUMAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
6	720920106007	STEPHEN ROY S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
7	720920106009	YARRA BHANU PRAKASH	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
8	720920106303	SIDDARTH G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
9	720919106001	FENISHA PRINCES B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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11	720919106004	MRIDULA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12	720919106005	RAJASUBHISKSHA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
13	720919106006	SARANRAJ S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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16	720919106301	ARUN.M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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23	720918106009	GOPIKA ANAND K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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26	720918106013	JERBY J J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
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28	720918106015	KOYLATH ATHUL PREMARAJAN	/	/	/	/	/	/	/	/	/	/	/	/	/																							

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S.NO	REGISTER No	NAME
1	720920106001	BARATH P
2	720920106002	DHANUJNAI N A
3	720920106003	JAGAMSETTY SAIKIRAN
4	720920106004	NANDHAKUMAR Y
5	720920106006	T SATHISHKUMAR
6	720920106007	STEPHEN ROY S
7	720920106009	YARRA BHANU PRAKASH
8	720920106303	SIDDARTH G
9	720919106001	FENISHA PRINCES B
10	720919106003	MALAVIKA KP
11	720919106004	MRIDULA M
12	720919106005	RAJASUBHISKSHA P
13	720919106006	SARANRAJ S
14	720919106007	VARUN N
15	720919106008	VISHNU KM
16	720919106301	ARUN.M
17	720919106302	PRAVEEN KUMAR.K
18	720918106001	ABISHA F
19	720918106003	ANOOP.R
20	720918106004	ARIF.S
21	720918106005	ARUNKUMAR S
22	720918106007	DHILSHIYA M
23	720918106009	GOPIKA ANAND K
24	720918106010	GOPINATH L
25	720918106012	JAYABHARATHI.A
26	720918106013	JERBY J J
27	720918106014	KARTHIKESWARAN R P
28	720918106015	KOYLATH ATHUL PREMARAJAN
29	720918106016	MALARKODI.R
30	720918106017	MATHEESH M
31	720918106020	MUHAMMED ANSHID.K
32	720918106021	PRIYANKA.K
33	720918106022	RAJALAKSHMI.G
34	720918106023	REJIL KRISHNAN.N.R
35	720918106024	SIVA G
36	720918106025	SREE KAVINAYA S
37	720918106026	SUBALAKSHMI.R
38	720918106027	SURIYA PRIYA.M
39	720918106028	SUSMA J V
40	720918106030	YUVARAJ M



S.S.
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JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF COMPLETION

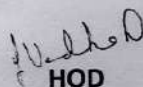
This is to certify that

BARATH P

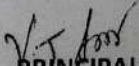
has participated in the Value added course on “PROGRAMMABLE LOGIC CONTROLLER DESIGN” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


COORDINATOR




HOD


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This is to certify that

DHANUJNAI A

has participated in the Value added course on “PROGRAMMABLE LOGIC CONTROLLER DESIGN” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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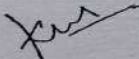
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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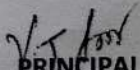
JANGAMSETTY SAIKIRAN

has participated in the Value added course on “PROGRAMMABLE LOGIC CONTROLLER DESIGN” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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This is to certify that

NANDHAKUMAR Y

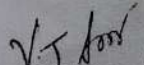
has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLLER DESIGN**” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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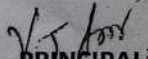
SATHISH KUMAR T

has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLLER DESIGN**” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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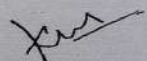
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that

STEPHEN ROY S

has participated in the Value added course on “PROGRAMMABLE LOGIC CONTROLLER DESIGN” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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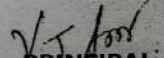
This is to certify that

YARRA BHANU PRAKASH

has participated in the Value added course on “PROGRAMMABLE LOGIC CONTROLLER DESIGN” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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CERTIFICATE OF COMPLETION

This is to certify that

SIDDARTH G

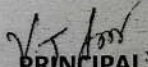
has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLLER DESIGN**” at
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This is to certify that

FENISHA PRINCES B

has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLLER DESIGN**” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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This is to certify that

MALAVIKA K P


has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLER DESIGN**” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


COORDINATOR


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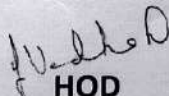
This is to certify that


MRIDULA M

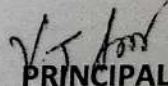
has participated in the Value added course on “**PROGRAMMABLE LOGIC CONTROLER DESIGN**” at
JCT College of Engineering and Technology, Coimbatore during 20.11.2021 to 18.12.2021 (5 days).


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PRINCIPAL

PROGRAMMABLE LOGIC CONTROLLER DESIGNING



PRINCIPAL
JCT College of Engineering and Technology
PICHANUR, COIMBATORE - 641 105.



Department of Electronics and Communication Engineering

Student Feedback

Name of the Student: DHANUJNATH N.A Sex (M/F): M

Department: B.E. ECE E-mail: dhanujnath1@gmail.com

Address: Muthumampallam, Kozhinjampara, Palakkad Mobile: 8547734428

Students are required to rate the courses

Name of the Trainer: Mr. Kannan

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)	✓			
2. Communication Skills (in terms of articulation and comprehensibility)		✓		
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses	✓			
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)		✓		
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			



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Department of Electronics and Communication Engineering

Student Feedback

Name of the Student: Stephen Roy S Sex (M/F): Male
 Department: B.E ECE E-mail: royroy999585@gmail.com
 Address: Pambuppada, Walayar Mobile: 7736817214

Students are required to rate the courses

Name of the Trainer: Mr. Kannan, M.

[Tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Knowledge base of the teacher (as perceived by you)		✓		
2. Communication Skills (in terms of articulation and comprehensibility)	✓			
3. Sincerity / Commitment of the teacher	✓			
4. Interest generated by the teacher		✓		
5. Ability to integrate course material with environment/other issues, to provide a broader perspective	✓			
6. Ability to integrate content with other courses		✓		
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)	✓			
8. Ability to design quizzes /tests/assignments / examinations and projects to evaluate students understanding of the course	✓			
9. Provision of sufficient time for feedback		✓		
10. Overall rating	✓			



SR
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JCT College of Engineering and Technology

Pichanur Coimbatore-641105

Department of Petroleum Engineering



Date: 17-10-2021

CIRCULAR

It is hereby informed that the department of Petroleum engineering is organizing workshop on "Outcome Based Education" for all the faculty members on 21-10-2021. All faculties are instructed to attend.

Copy to:

1. Principal
2. All HOD's
3. Department Notice Board

HOD/Petroleum



JCT College of Engineering and Technology
Pichanur Coimbatore-641105
Department of Petroleum Engineering



Date: 15-10-2021

From

Dr.S.VenkateshBabu
HOD of Petroleum Engineering department
JCT College of Engineering and Technology
Pichanur
Coimbatore – 641105

*Permit
S.V. 15/10/21*

To

THE PRINCIPAL
JCT College of Engineering and Technology
Pichanur
Coimbatore – 641105

Respected Sir,

SUB: Requisition for organizing one day workshop –Reg.

We would like to organized one day workshop program tilted: **Outcome based Education (OBE)** on 21-10-2021. This program will be helpful for faculties to understand the key areas of OBE for effective teaching and preparing students for exams.

Thankyou

Yours sincerely

S.V. Venkatesh Babu
Dr.S.VenkateshBabu

S.V.



JCT College of Engineering and Technology

Pichanur Coimbatore-641105

Department of Petroleum Engineering



Attendance sheet

Name of the Events: Outcome Based Education

Venue: Seminar Hall

Date: 21.10.2021

Sl.No.	Name of the faculty	Designation	Signatures
1	Dr.S.VenkateshBabu	Professor	<i>S. Venkatesh</i>
2	Dr.K.Kumaraswamy	Associate professor	<i>K. Kumaraswamy</i>
3	Mr.K.Janardhanan	Assistant Professor	<i>K. Janardhanan</i>
4	Mr.V.Purushothaman	Assistant Professor	<i>V. Purushothaman</i>
5	Miss. Kiruba M	Assistant Professor	<i>Kiruba M</i>
6	Mrs.MM Kalyani	Assistant Professor	<i>MM Kalyani</i>
7	Mrs. Rani V	Assistant Professor	<i>Rani V</i>
8	Mr.Sasikumar P	Assistant Professor	<i>Sasikumar P</i>
9	Mrs.Jhansi rani V	Assistant Professor	<i>Jhansi rani V</i>
10	Dr. V Murugesh	Associate professor	<i>Dr. V. Murugesh</i>
11	Gnanavel G	Assistant Professor	<i>Gnanavel G</i>
12	Dr. M Sabirigiriraj	Associate professor	<i>M. Sabirigiriraj</i>
13	Dr. S . Kavitha	Associate professor	<i>S. Kavitha</i>
14	Dr. A. Kumar	Associate professor	<i>A. Kumar</i>
15	Dr. Issac Prem	Associate professor	<i>Dr. Issac Prem</i>



JCT College of Engineering and Technology

Pichanur Coimbatore-641105

Department of Petroleum Engineering



Workshop on Outcome based education

Feedback

Name of the participant: Sasikumar p Sex(M/F): M

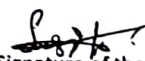
Department: PETROLEUM ENGINEERING E.mail: Sasikumar.p 934@gmail.com

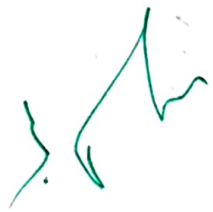
Name of the resource person: Dr. Venkata ramana

Rating according to:

1. Very good 2. Good 3. Satisfactory 4. Average 5. Poor

Sl.No.	Parameters	Rate
1	Quality of Presentation	2
2	Relevancy toward content	1
3	Clarity in explanation	1
4	Interaction with participants	2
5	Concept real time applicability	2


Signature of the participant





JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pitambar, Coimbatore - 641 106

EQAC - ACADEMIC AUDIT

(For the Department during the starting of Semester)

DEPARTMENT OF PETROLEUM ENGINEERING

Date: 12.01.2021

Even Semester 2021

Even Semester 2021			Auditor: Dr. S. Kamitha	
Academic Audit (Department) Before Commencement of Semester				
SNo	Particulars	Yes/No/N.A.	Remarks	
1	Is Department Faculty Profile File updated?	Yes		
2	Is Department Non Teaching Staff Profile File updated?	N/A		
3	Is Current Curriculum and Syllabi Available?	Yes		
	ERP entry for Class, Student, Subject, Time Table, Faculty Mapping completed or not?	Yes		
4	Is Department Academic Calendar Available?	Yes		
5	Is Subject Allocation Completed for Laboratory and Theory?	Yes		
6	Is All Laboratory Equipments are in working condition?	Yes		
7	Whether all furniture available?(Students & Faculties)	Yes		
8	Whether All Stationeries received from stores?	Yes		
9	Is Department Budget submitted for the Current Academic Year?	Yes		
10	Whether all required consumables available for laboratory?	Yes		
11	Is Department Time Table available?	Yes		
12	Is Library Requirement for the Current Academic Year Submitted?	Yes		
13	Whether Industrial Visits/ Guest Lecture/ Workshop/ Asso. Activities planned and incorporated in the department calendar or not?	Yes		
14	Is Elective list Submitted to Exam Cell or Not?	Yes		
15	Is Previous Semester Result Analysis submitted to Principal?	Yes		
16	Whether Vision & Mission of college and Dept, PEO, PO, PSO displayed?	Yes		
17	All faculties Submitted Course Files, Log Book and Mentor Notebook?(If not advise the faculty to submit immediately and Verify it.)	Yes		
18	All Faculties have 5 Units of Lecture Notes, Question Bank? (If not advise the faculty to submit immediately and Verify it.)	Yes	2 units	

Remarks :

Suggestions by Auditor:

Signature of HoD

Signature of auditor

Principal



JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pitchanur, Coimbatore - 641 105



QAC - ACADEMIC AUDIT

(For each faculty member in the Department at the end of the semester)

DEPARTMENT OF PETROLEUM ENGINEERING

EVEN SEMESTER 2021

Date: 5/6/21


Faculty	Dr. V. VENKATESH, P.M.W.		Auditor	Dr. S. KAVITHA
Number of CL :..... & Number of LOP :..... (2021-'22)				
Subject Handled	1. ENGINE	2. VISEE		
Laboratory Handled	1. -	2. -		
Check List for Academic Audit				
SNo	Particulars	Yes/No/N.A.	Remarks	
1	Is Vision & Mission of college and Dept, PEO, PO, PSO, Class Time Table, Individual Time Table, Students name list, Syllabus, Course data sheet, Lesson plan available?	Yes		
2	Is Log book updated for all the courses handled by the staff?	Yes		
3	Is the staff adheres with the time table?	Yes		
4	Is the test mark entered in the log book?	Yes		
5	Is the portion covered detailed entered in the log book?	Yes		
6	Is the portion covered details match with the lesson plan?	Yes		
7	Is 5 units of the syllabus completed with planned time distribution?	Yes		
8	Is the tutorial classes conducted for practically solving the problems?	Yes		
9	Is content beyond syllabus details entered in log book and taught?	Yes		
10	Is number of batches & lab attendance entered in the Log book?	-		
11	Is Students Lab Entry Register maintained and entered properly?	-		
12	Is log book is periodically submitted to HoD and Principal?	Yes		
13	Is QP with answer key for Internal I, II and Model tests available?	Yes		
14	Is Question bank and previous year QP available?	Yes		
15	Are sample answer scripts (Low, Medium & High) available?	Yes		
16	Is the answer scripts valued properly?	Yes		
17	Is result analysis for all the tests available?	Yes		
18	Is the test marks awarded - Including sample answer papers - matches with log book and ERP?	Yes		
19	Is the questions asked for each test covers the syllabus completion?	Yes		
20	Are the list of equipment and cycle of experiment in lab course available?	-		
21	Are the sample lab record and lab manual available including all the experiments?	-		

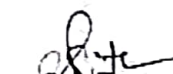
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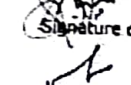
22	Is the sample lab record written properly?	-	
23	Is there any deviation in the cycle of experiments and actually conducted experiments?	-	
24	Is equipment available for all the experiments written in the sample record?	-	
25	Is the readings and model calculation checked and corrected by the staff?	-	
26	Is the % of error allowed verified & approved by staff expert?	-	
27	Is the staff member has his own set of readings and calculation for ready reference?	-	
28	Is the staff member has previous experience in conducting the laboratory course?	-	
29	Is the staff member maintaining the student leave record properly and signed by the student, parent and HoD?	-	
30	Is the progress of the student sent to the parent?	Yes	
31	Are the master attendance maintained and the attendance entry match with individual class attendance?	Yes	
32	Is the class log sheet file maintained by the class advisor?	Yes	
33	Is the tutor ward meeting held periodically?	Yes	
34	Is student counseling record available?	Yes	
35	Is class committee meeting held periodically?	Yes	
36	Is class committee meeting minutes available, signed and filed?	Yes	
37	Is student feedback available?	Yes	
38	Is the staff member published any research paper?	Yes	
39	Is the staff member attended any FDP / Workshop / Conference etc.?	Yes	
40	Is the staff member applied any funding proposal / project?	Yes	
41	Is any lab experiment designed and implemented by the staff?	-	
42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	Yes	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:


Signature of faculty member


HoD


Signature of auditor


Principal



JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Pichanur, Coimbatore - 643 185



IQAC - ACADEMIC AUDIT

(For each faculty member in the Department at the end of the semester)

DEPARTMENT OF PETROLEUM ENGINEERING

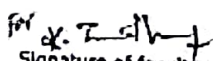
EVEN SEMESTER 2021

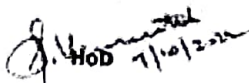
Date: 5/8/22

Faculty : M.M. KALYANI		Auditors: Dr. S. KAVITHA	
Number of CL : & Number of LOP : (2021-'22)			
Subject Handled	1. Geo physics	2. Professional ethics	
Laboratory Handled	1. 	2. 	
Check List for Academic Audit			
SNo	Particulars	Yes/No/ N.A.	Remarks
1	Is Vision & Mission of college and Dept, PEO, PO, PSO, Class Time Table, Individual Time Table, Students name list, Syllabus, Course data sheet, Lesson plan available?	Yes	
2	Is Log book updated for all the courses handled by the staff?	Yes	
3	Is the staff adheres with the time table?	Yes	
4	Is the test mark entered in the log book?	Yes	
5	Is the portion covered detailed entered in the log book?	Yes	
6	Is the portion covered details match with the lesson plan?	Yes	
7	Is 5 units of the syllabus completed with planned time distribution?	Yes	
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9	Is content beyond syllabus details entered in log book and taught?	Yes	
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11	Is Students Lab Entry Register maintained and entered properly?	-	
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14	Is Question bank and previous year QP available?	Yes	
15	Are sample answer scripts (Low, Medium & High) available?	Yes	
16	Is the answer scripts valued properly?	Yes	
17	Is result analysis for all the tests available?	Yes	
18	Is the test marks awarded - Including sample answer papers - matches with log book and ERP?	Yes	
19	Is the questions asked for each test covers the syllabus completion?	Yes	
20	Are the list of equipment and cycle of experiment in lab course available?	-	
21	Are the sample lab record and lab manual available including all the experiments?	-	

22	Is the sample lab record written properly?	Yes	
23	Is there any deviation in the cycle of experiments and actually conducted experiments?	Yes	
24	Is equipment available for all the experiments written in the sample record?	Yes	
25	Is the readings and model calculation checked and corrected by the staff?	Yes	
26	Is the % of error allowed verified & approved by staff expert?	Yes	
27	Is the staff member has his own set of readings and calculation for ready reference?	Yes	
28	Is the staff member has previous experience in conducting the laboratory course?	Yes	
29	Is the staff member maintaining the student leave record properly and signed by the student, parent and HoD?	Yes	
30	Is the progress of the student sent to the parent?	Yes	
31	Are the master attendance maintained and the attendance entry match with individual class attendance?	Yes	
32	Is the class log sheet file maintained by the class advisor?	Yes	
33	Is the tutor ward meeting held periodically?	Yes	
34	Is student counseling record available?	Yes	
35	Is class committee meeting held periodically?	Yes	
36	Is class committee meeting minutes available, signed and filed?	Yes	
37	Is student feedback available?	Yes	
38	Is the staff member published any research paper?	Yes	
39	Is the staff member attended any FDP / Workshop / Conference etc.?	-	
40	Is the staff member applied any funding proposal / project?	-	
41	Is any lab experiment designed and implemented by the staff?	-	
42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	Yes	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:

For 
Signature of faculty member


HoD 7/10/2024


Signature of auditor


Principal





JCT COLLEGE OF ENGINEERING AND TECHNOLOGY

Puducherry, Coimbatore - 641 108



IQAC - ACADEMIC AUDIT

[For each faculty member at the Department at the end of the semester]

DEPARTMENT OF PETROLEUM ENGINEERING

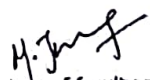
EVEN SEMESTER 2021

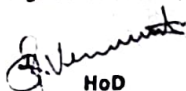
Date: 5/6/22

Faculty: K. JAYATHARAN		Auditor: Dr. S. MANIHA	
Number of CL: & Number of LOP: (2021-22)			
Subject Handled: 1. HINDI & English Literature		2. KANNADA, ENGLISH - II	
Laboratory Handled: 1. MASS TRANSPORTATION		2.	
Check List for Academic Audit			
SNo	Particulars	Yes/No/ N.A.	Remarks
1	Is Vision & Mission of college and Dept, PEO, PO, PSO, Class Time Table, Individual Time Table, Students name list, Syllabus, Course data sheet, Lesson plan available?	Yes	
2	Is Log book updated for all the courses handled by the staff?	Yes	
3	Is the staff adheres with the time table?	Yes	
4	Is the test mark entered in the log book?	Yes	
5	Is the portion covered detailed entered in the log book?	Yes	
6	Is the portion covered details match with the lesson plan?	Yes	
7	Is 5 units of the syllabus completed with planned time distribution?	Yes	
8	Is the tutorial classes conducted for practically solving the problems?	Yes	
9	Is content beyond syllabus details entered in log book and taught?	Yes	
10	Is number of batches & lab attendance entered in the Log book?	Yes	
11	Is Students Lab Entry Register maintained and entered properly?	Yes	
12	Is log book is periodically submitted to HoD and Principal?	Yes	
13	Is QP with answer key for internal I, II and Model tests available?	Yes	
14	Is Question bank and previous year QP available?	Yes	
15	Are sample answer scripts (Low, Medium & High) available?	Yes	
16	Is the answer scripts valued properly?	Yes	
17	Is result analysis for all the tests available?	Yes	
18	Is the test marks awarded - including sample answer papers - matches with log book and ERP?	Yes	
19	Is the questions asked for each test covers the syllabus completion?	Yes	
20	Are the list of equipment and cycle of experiment in lab course available?	Yes	
21	Are the sample lab record and lab manual available including all the experiments?	Yes	


22	Is the sample lab record written properly?	Yes	
23	Is there any deviation in the cycle of experiments and actually conducted experiments?	Yes	
24	Is equipment available for all the experiments written in the sample record?	Yes	
25	Is the readings and model calculation checked and corrected by the staff?	Yes	
26	Is the % of error allowed verified & approved by staff expert?	Yes	
27	Is the staff member has his own set of readings and calculation for ready reference?	Yes	
28	Is the staff member has previous experience in conducting the laboratory course?	Yes	
29	Is the staff member maintaining the student leave record properly and signed by the student, parent and HoD?	Yes	
30	Is the progress of the student sent to the parent?	Yes	
31	Are the master attendance maintained and the attendance entry match with individual class attendance?	Yes	
32	Is the class log sheet file maintained by the class advisor?	Yes	
33	Is the tutor ward meeting held periodically?	Yes	
34	Is student counseling record available?	Yes	
35	Is class committee meeting held periodically?	Yes	
36	Is class committee meeting minutes available, signed and filed?	Yes	
37	Is student feedback available?	Yes	
38	Is the staff member published any research paper?	No	
39	Is the staff member attended any FDP / Workshop / Conference etc.?	No	
40	Is the staff member applied any funding proposal / project?	No	
41	Is any lab experiment designed and implemented by the staff?	No	
42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	Yes	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:


Signature of faculty member


HoD


Signature of auditor


Principal



**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pichanur, Coimbatore - 641 105

**IQAC - ACADEMIC AUDIT**

(For each faculty member in the Department at the end of the semester)

DEPARTMENT OF PETROLEUM ENGINEERING**EVEN SEMESTER 2021**

Date: 5/8/22

Faculty : Dr. K. Kumara Samy		Auditor: Dr. S. KAVITHA	
Number of CL : & Number of LOP : (2021-22)			
Subject Handled	1. Heat transfer	2. Well logging	
Laboratory Handled	1. Fluid statics lab	2.	

Check List for Academic Audit			
SNo	Particulars	Yes/No/N.A.	Remarks
1	Is Vision & Mission of college and Dept, PEO, PO, PSO, Class Time Table, Individual Time Table, Students name list, Syllabus, Course data sheet, Lesson plan available?	Yes	
2	Is Log book updated for all the courses handled by the staff?	Yes	
3	Is the staff adheres with the time table?	Yes	
4	Is the test mark entered in the log book?	Yes	
5	Is the portion covered detailed entered in the log book?	Yes	
6	Is the portion covered details match with the lesson plan?	Yes	
7	Is 5 units of the syllabus completed with planned time distribution?	Yes	
8	Is the tutorial classes conducted for practically solving the problems?	Yes	
9	Is content beyond syllabus details entered in log book and taught?	Yes	
10	Is number of batches & lab attendance entered in the Log book?	Yes	
11	Is Students Lab Entry Register maintained and entered properly?	Yes	
12	Is log book is periodically submitted to HoD and Principal?	Yes	
13	Is QP with answer key for Internal I, II and Model tests available?	Yes	
14	Is Question bank and previous year QP available?	Yes	
15	Are sample answer scripts (Low, Medium & High) available?	Yes	
16	Is the answer scripts valued properly?	Yes	
17	Is result analysis for all the tests available?	Yes	
18	Is the test marks awarded - Including sample answer papers - matches with log book and ERP?	Yes	
19	Is the questions asked for each test covers the syllabus completion?	Yes	
20	Are the list of equipment and cycle of experiment in lab course available?	Yes	
21	Are the sample lab record and lab manual available including all the experiments?	Yes	

22	Is the sample lab record written properly?	Yes	
23	Is there any deviation in the cycle of experiments and actually conducted experiments?	Yes	
24	Is equipment available for all the experiments written in the sample record?	Yes	
25	Is the readings and model calculation checked and corrected by the staff?	Yes	
26	Is the % of error allowed verified & approved by staff expert?	Yes	
27	Is the staff member has his own set of readings and calculation for ready reference?	Yes	
28	Is the staff member has previous experience in conducting the laboratory course?	Yes	
29	Is the staff member maintaining the student leave record properly and signed by the student, parent and HoD?	Yes	
30	Is the progress of the student sent to the parent?	Yes	
31	Are the master attendance maintained and the attendance entry match with individual class attendance?	Yes	
32	Is the class log sheet file maintained by the class advisor?	Yes	
33	Is the tutor ward meeting held periodically?	Yes	
34	Is student counseling record available?	Yes	
35	Is class committee meeting held periodically?	Yes	
36	Is class committee meeting minutes available, signed and filed?	Yes	
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40	Is the staff member applied any funding proposal / project?	-	
41	Is any lab experiment designed and implemented by the staff?	-	
42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	Yes	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:

for *[Signature]*
Signature of faculty member

[Signature]
HoD 7/10/2022

[Signature]
Signature of auditor

[Signature]
Principal

[Handwritten mark]

**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pithampur, Chhattisgarh - 491 109

**IQAC - ACADEMIC AUDIT**

(The audit is to be conducted at the end of the semester)


DEPARTMENT OF PETROLEUM ENGINEERING**EVEN SEMESTER 2021**

Date: 5/8/21

Faculty	1. M. Kivuba		Auditor Dr. S. M. NATHAN
Number of CL L..... & Number of LOP L..... (2021-22)			
Subject Handled	1. IPE, 2. DFC		2. CET
Laboratory Handled	1. Petroleum Testing Lab 2.		
Check List for Academic Audit			
SNo	Particulars	Yes/No/ N.A.	Remarks
1	Is Vision & Mission of college and Dept, PEO, PO, PSO, Class Time Table, Individual Time Table, Students name list, Syllabus, Course data sheet, Lesson plan available?	Yes	
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26	Is the % of error allowed verified & approved by staff expert?	Yes	
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30	Is the progress of the student sent to the parent?	Yes	
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41	Is any lab experiment designed and implemented by the staff?	No	
42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	No	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:


Signature of faculty member


HoD


Signature of auditor


Principal



22	Is the sample lab record written properly?		
23	Is there any deviation in the cycle of experiments and actually conducted experiments?		
24	Is equipment available for all the experiments written in the sample record?		
25	Is the readings and model calculation checked and corrected by the staff?		
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30	Is the progress of the student sent to the parent?	Yes	
31	Are the master attendance maintained and the attendance entry match with individual class attendance?	Yes	
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34	Is student counselling record available?	Yes	
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42	Is any internal experimental project for students guided by you?	Yes	
43	Do you have specialization to handle the subjects?	Yes	
44	Are you aware of PO, PEO and PSO of the programme and whether you mapped these to the courses handled?	Yes	

Suggestions by Auditor:

Signature of faculty member

Signature of auditor

Principal

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
- 4 .any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Academic Administrative Audit (AAA) and initiation of follow up action	Participation in NIRF along with Status.	ISO Certification. and nature and validity period	NBAor any other quality
yes	yes	yes	yes