



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**IAF-AVADI, CHENNAI - 55**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



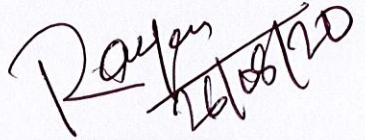
**CIRCULAR**

AMSCE/EEE/CIR/VAC/001/2020-2021

Date: 26.08.2020

The Department of Electrical and Electronics Engineering plans to conduct a Value Added Course on **Simulation of circuits using MATLAB** by **Mr.D.Balaji Sakthivel**, Test Engineer, M/s City electrical Group, for the benefit of II Year, III Year and IV Year Students. This course is scheduled from **29.08.2020 to 19.09.2020** (4:00 PM to 6:00 PM) for 4 weeks (30 hrs).

All the students must attend all the classes with a minimum of 75% attendance and score 50% on the quiz. Students who complete the course successfully will receive certificates.

  
HEAD/EEE

**Copy To:**

Principal  
IQAC  
Circulate to all faculty members and Students  
Department File



  
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# AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING



Approved by AICTE & NAAC Accredited Institution

DEPARTMENT OF  
ELECTRICAL AND ELECTRONICS ENGINEERING  
Organizing

## VALUE ADDED COURSE ON SIMULATION OF CIRCUITS USING MATLAB

RESOURCE PERSON

Er.D.Balaji Sakthivel

Test Engineer, City Electrical Group

**DATE:**

29.08.2020 to  
19.09.2020

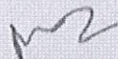
**WEBLINK:**

[https://zoom.us/j/3894566910?pwd=cdeg  
ef256856](https://zoom.us/j/3894566910?pwd=cdegef256856)

Er.M.S.RAJAN,  
Assistant Professor  
Head/EEE



Dr.S.SATHISH  
Principal

  
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS

ENGINEERING



## REPORT FOR THE VALUE ADDED COURSE ON SIMULATION OF CIRCUITS USING MATLAB

**Course Name: SIMULATION OF CIRCUITS USING MATLAB**

**Resource Person : Mr.D.Balaji Sakthivel, Test Engineer, M/s City electrical Group**

**Date: 29.08.2020 to 19.09.2020**

**Time: 04.00 P.M to 06.00 P.M**

**Course Hours: 30 Hours**

**Attended Student: 74 Students**

**Student Certified: 74 Students**

### *Course Overview*

The "Simulation of Circuits Using MATLAB" course aimed to equip participants with practical skills in circuit simulation and analysis using MATLAB and Simulink. Over 30 hours, the course covered fundamental concepts, hands-on exercises, and real-world applications, fostering a deep understanding of circuit behavior and simulation techniques.

### *Objectives*

- Introduce participants to MATLAB and Simulink for circuit simulation.
- Develop skills to model and analyze electrical circuits.
- Enhance problem-solving abilities through practical simulation exercises.
- Prepare participants for real-world applications in engineering and technology.

### *Course Content*

1. **Introduction to MATLAB and Simulink**
  - Overview of MATLAB interface and basic commands.
  - Introduction to Simulink for modeling dynamic systems.
2. **Basic Circuit Theory**
  - Review of key concepts: Ohm's law, Kirchhoff's laws, and circuit components (resistors, capacitors, inductors).
3. **Circuit Simulation Techniques**
  - Creating and simulating basic circuits in MATLAB.
  - Analyzing AC and DC circuits using simulation tools.
4. **Advanced Modeling**
  - Introduction to more complex circuit elements and their simulations.
  - Modeling nonlinear components and understanding their behaviors.
5. **Data Analysis and Visualization**
  - Techniques for analyzing simulation data.
  - Utilizing MATLAB's plotting capabilities

  
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## 6. Practical Applications

- Case studies of real-world circuit simulations.
- Group projects to design and simulate circuits for specific applications.

### *Learning Outcomes*

By the end of the course, participants were able to:

- Construct and simulate a variety of electrical circuits using MATLAB.
- Analyze circuit performance and troubleshoot issues effectively.
- Apply simulation techniques to solve engineering problems.
- Collaborate on projects to demonstrate circuit design and analysis skills.

### *Participant Feedback*

Participants provided positive feedback on the course structure and content, highlighting the following:

- **Engagement:** Interactive sessions and hands-on exercises kept learners engaged.
- **Relevance:** Real-world applications made the material applicable to future work.
- **Support:** Instructors were knowledgeable and provided valuable assistance during exercises.

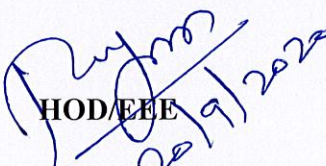
### *Recommendations for Future Courses*

- Incorporate more advanced topics, such as digital circuits and control systems.
- Consider offering follow-up sessions or workshops for more advanced users.

### *Conclusion*

The "Simulation of Circuits Using MATLAB" ONLINE course successfully met its objectives, providing participants with essential skills for circuit simulation and analysis. The blend of theoretical knowledge and practical application prepared attendees for challenges in engineering and technology fields. Future iterations could enhance the curriculum based on participant feedback and emerging industry trends.

  
20/09/2020  
COURSE-COORDINATOR

  
20/09/2020  
HOD/EEE

M. S. RAJAN  
HEAD  
Electrical & Electronics Engg.  
Aalim Muhammed Salegh  
College of Engineering



  
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From

Mr. A. Anwar Basha,  
Assistant Professor,  
Department of Electrical and Electronics Engineering,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi IAF,  
Chennai – 600055.

To

The Principal,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi IAF,  
Chennai – 600055.

Dear Sir,

Sub: Request for Approval of Value-Added Course: Simulation of circuits using MATLAB –  
reg.

I am writing to request your approval for the value-added course titled “Simulation of circuits using MATLAB” through Online Mode for II, III and IV year EEE students from 29.08.2020 – 19.09.2020. I believe that the course will enhance the skills and competencies of our students. Given the growing interest and relevance of this subject, I believe that offering this course would greatly benefit our students’ educational experience and equip them with valuable skills. Kindly consider the request and do the needful.

*A. Anwar Basha*  
22/8/2020  
Yours faithfully,

*Submitted to the  
Principal Sir*

*Sir, I request you to kindly  
approve the above said value  
added course from 29.08.20 to 19.09.20*

*m2*  
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*Submitted  
Araf*  
22/8/2020

*M. S. RAJAN*  
22/8/2020  
Head / EEE



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**  
**ENGINEERING**

**SYLLABUS FOR THE VALUE ADDED COURSE SIMULATION OF CIRCUITS USING**  
**MATLAB**

**MODULE 1: Introduction to Power Electronics and MATLAB**

Total Hours: 7.5

Introduction to Power Electronics (2.5 hours)

Overview of power electronics and its applications

Key components: diodes, transistors, thyristors, and their roles in circuits

Introduction to MATLAB and Simulink interface

Getting Started with MATLAB (2.5 hours)

Basic MATLAB commands and functions

Introduction to Simulink for circuit simulation

Building a simple electrical circuit using Simscape Electrical

Simulation Basics (2.5 hours)

Understanding simulation parameters and settings

Running simulations and interpreting results

Hands-on practice: Simulating a basic AC circuit

**MODULE 2: Modeling Power Electronic Devices**

Total Hours: 7.5

Modeling Diodes and Transistors (2.5 hours)

Characteristics of diodes and transistors

Building diode and transistor models in Simulink

  
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Practical exercise: Simulating a rectifier circuit

Thyristors and Other Devices (2.5 hours)

Introduction to thyristors and their applications

Modeling thyristors in Simulink

Practical exercise: Simulating a thyristor-controlled circuit

Advanced Device Modeling (2.5 hours)

Overview of IGBTs and MOSFETs

Simulation techniques for switching devices

Hands-on project: Creating a PWM inverter model

### **MODULE 3: Control Strategies in Power Electronics**

Total Hours: 7.5

Control Theory Fundamentals (2.5 hours)

Introduction to control theory relevant to power electronics

Types of controllers (PID, fuzzy logic, etc.)

Implementing Control Strategies in Simulink (2.5 hours)

Designing control strategies for power converters

Practical exercise: Implementing a PID controller for DC-DC converters

Simulation of Control Systems (2.5 hours)

Analyzing system response using Bode plots and root locus techniques

Hands-on project: Tuning control parameters for optimal performance

### **MODULE 4: Applications and Advanced Topics**

Total Hours: 7.5

Applications of Power Electronics (2.5 hours)

Overview of applications such as renewable energy systems, electric vehicles, etc.

Case Studies in Power Electronics Simulation (2.5 hours)

  
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Detailed analysis of real-world power electronics systems using MATLAB

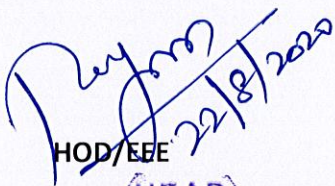
Group project presentation on simulated systems

Future Trends and Conclusion

Discussion on emerging trends in power electronics simulation

Course review and feedback session

  
22/8/2020  
**COURSE-COORDINATOR**

  
22/8/2020  
**HOD/EEE**  
**HEAD**  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS**

**ENGINEERING**



**SCHEDULE FOR THE VALUE ADDED COURSE SIMULATION OF  
CIRCUITS USING MATLAB**

**TIME: 4 p.m to 6 p.m**

**MODULE 1: 29.08.2020 to 31.08.2020**

Introduction to Power Electronics and MATLAB

Introduction to Power Electronics

Overview of power electronics and its applications

Key components: diodes, transistors, thyristors, and their roles in circuits

Introduction to MATLAB and Simulink interface

Getting Started with MATLAB

Basic MATLAB commands and functions

Introduction to Simulink for circuit simulation

Building a simple electrical circuit using Simscape Electrical

Simulation Basics

Understanding simulation parameters and settings

Running simulations and interpreting results

Hands-on practice: Simulating a basic AC circuit

**MODULE 2: 01.09.2020 to 04.09.2020**

Modeling Power Electronic Devices

Modeling Diodes and Transistors

Characteristics of diodes and transistors

Building diode and transistor models in Simulink



  
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Practical exercise: Simulating a rectifier circuit

Thyristors and Other Devices

Introduction to thyristors and their applications

Modeling thyristors in Simulink

Practical exercise: Simulating a thyristor-controlled circuit

Advanced Device Modeling

Overview of IGBTs and MOSFETs

Simulation techniques for switching devices

Hands-on project: Creating a PWM inverter model

**MODULE 3: 07.09.2020 to 11.09.2020**

Control Strategies in Power Electronics

Control Theory Fundamentals

Introduction to control theory relevant to power electronics

Types of controllers (PID, fuzzy logic, etc.)

Implementing Control Strategies in Simulink

Designing control strategies for power converters

Practical exercise: Implementing a PID controller for DC-DC converters

Simulation of Control Systems

Analyzing system response using Bode plots and root locus techniques

Hands-on project: Tuning control parameters for optimal performance

**MODULE 4: 14.09.2020 to 19.09.2020**

Applications and Advanced Topics

Applications of Power Electronics

Overview of applications such as renewable energy systems, electric vehicles, etc.

Case Studies in Power Electronics Simulation



  
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Overview of applications such as renewable energy systems, electric vehicles, etc.

Case Studies in Power Electronics Simulation (2.5 hours)

Detailed analysis of real-world power electronics systems using MATLAB


Group project presentation on simulated systems

Future Trends and Conclusion (2.5 hours)

Discussion on emerging trends in power electronics simulation

Course review and feedback session

  
22/8/24  
**COURSE-COORDINATOR**

  
22/8/24  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
 Certificate course on Simulation of circuits using MATLAB  
 Academic year- 2020-2021

BATCH: 2018-2022

YEAR: III

S.No	Reg. no	NAME	29.8.20	31.8.20	01.9.20	2.9.20	3.9.20
1	110118105001	AHAMED IJAZ.K	P	P	P	P	P
2	110118105003	FAIZ AHMED.H	P	P	P	P	P
3	110118105004	FAYAZ AHMED.I	P	P	P	P	P
4	110118105005	GHOUSE MOHIDEEN.M.K	P	P	P	P	P
5	110118105006	IMRAN AHMED.J	P	P	P	P	P
6	110118105007	IRSATH AHAMED.M	A	P	P	P	P
7	110118105008	IRSHAD AHAMED.A.R	P	P	P	P	P
8	110118105009	MARIAM JEREEN.A.R	P	P	P	P	P
9	110118105011	MOHAMED FASHITH.S	P	P	P	P	P
10	110118105012	MOHAMED HAMEED ASKAR.S.A	P	P	P	P	P
11	110118105013	MOHAMED IMSATH	P	P	P	P	P
12	110118105014	MOHAMED ISAQ.H	A	A	P	P	P
13	110118105015	MOHAMED SYED RIAZKHAN.S	P	P	P	P	P
14	110118105016	MOHAMMED AHMADULLAH	P	P	P	P	P
15	110118105017	MOHAMMED ASHIQ.S.A	P	P	P	P	P
16	110118105018	MOHAMMED MUSHRAFF SHARIFF.M	P	P	P	P	P
17	110118105019	RAHAMATHULLA.A	P	P	P	P	P
18	110118105020	SATHAM HUSSAIN.N	P	P	P	P	P
19	110118105021	SEYED MOHAMED BUHARI	P	P	P	P	P
20	110118105022	SYED NISHATH AHAMED.N	P	P	P	P	P
21	110118105023	VAHAB KHAN.N	P	P	P	P	P
22	110118105024	YOGESH.V	P	P	P	P	P
23	110118105301	ASIF AHMED J	P	P	P	P	P
24	110118105302	KUMARESAN R	P	P	P	P	P
25	110118105303	MOHAMMED MANSOOR A	P	P	P	P	P
26	110118105304	RAJESH S	P	P	P	P	P
27	110118105305	SADAKATHULLA M. A.R	P	P	P	P	P

✓

*Muham*  
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 Certificate course on Simulation of circuits using MATLAB  
 Academic year- 2020-2021

BATCH: 2018-2022

YEAR: III

S.No	Reg. no	NAME	4.9.20	7.9.20	8.9.20	9.9.20	16.9.20
1	110118105001	AHAMED IJAZ.K	P	P	P	P	P
2	110118105003	FAIZ AHMED.H	P	P	P	P	P
3	110118105004	FAYAZ AHMED.I	P	P	P	P	P
4	110118105005	GHOUSE MOHIDEEN.M.K	P	P	P	P	P
5	110118105006	IMRAN AHMED.J	P	P	P	P	P
6	110118105007	IRSATH AHAMED.M	A	P	P	P	P
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8	110118105009	MARIAM JEREEN.A.R	P	P	P	P	P
9	110118105011	MOHAMED FASHITH.S	P	P	P	P	P
10	110118105012	MOHAMED HAMEED ASKAR.S.A	P	P	P	P	P
11	110118105013	MOHAMED IMSATH	P	P	P	P	P
12	110118105014	MOHAMED ISAQ.H	A	P	P	P	P
13	110118105015	MOHAMED SYED RIAZKHAN.S	P	P	P	P	P
14	110118105016	MOHAMMED AHMADULLAH	P	P	P	P	P
15	110118105017	MOHAMMED ASHIQ.S.A	P	P	P	P	P
16	110118105018	MOHAMMED MUSHRAFF SHARIFF.M	P	P	P	P	P
17	110118105019	RAHAMATHULLA.A	P	P	P	P	P
18	110118105020	SATHAM HUSSAIN.N	P	P	P	P	P
19	110118105021	SEYED MOHAMED BUHARI	P	P	P	P	P
20	110118105022	SYED NISHATH AHAMED.N	P	P	P	P	P
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23	110118105301	ASIF AHMED J	P	P	P	P	P
24	110118105302	KUMARESAN R	P	P	P	P	P
25	110118105303	MOHAMMED MANSOOR A	P	P	P	P	P
26	110118105304	RAJESH S	P	P	P	P	P
27	110118105305	SADAKATHULLA M. A.R	P	P	P	P	P

*Rajm*  
19/9/20  
HEAD/EEE  
HEAD

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
 Certificate course on Simulation of circuits using MATLAB  
 Academic year- 2020-2021

BATCH: 2018-2022

YEAR: III

S.No	Reg. no	NAME	14.9.20	15.9.20	17.9.20	18.9.20	19.9.20
1	110118105001	AHAMED IJAZ.K	P	P	P	P	P
2	110118105003	FAIZ AHMED.H	P	P	P	P	P
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4	110118105005	GHOUSE MOHIDEEN.M.K	P	P	P	P	P
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6	110118105007	IRSATH AHAMED.M	A	P	P	P	P
7	110118105008	IRSHAD AHAMED.A.R	P	P	P	P	P
8	110118105009	MARIAM JEREEN.A.R	P	P	P	P	P
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10	110118105012	MOHAMED HAMEED ASKAR.S.A	P	P	P	P	P
11	110118105013	MOHAMED IMSATH	P	P	P	P	P
12	110118105014	MOHAMED ISAQ.H	A	P	P	P	P
13	110118105015	MOHAMED SYED RIAZKHAN.S	P	P	P	P	P
14	110118105016	MOHAMMED AHMADULLAH	P	P	P	P	P
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16	110118105018	MOHAMMED MUSHRAFF SHARIFF.M	P	P	P	P	P
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26	110118105304	RAJESH S	P	P	P	P	P
27	110118105305	SADAKATHULLA M. A.R	P	P	P	P	P

  
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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**Certificate course on Simulation of circuits using MATLAB**  
**Academic year- 2020-2021**

BATCH: 2017-2021

YEAR: IV

S.No	Reg. no	NAME	14.9.20	15.9.20	17.9.20	18.9.20	19.9.20
1	110117105001	ABDUL JASUDEEN N	P	P	P	P	P
2	110117105003	FAIZAL M	P	P	P	P	P
3	110117105005	HANIF ADHITHAN N A	P	A	P	P	P
4	110117105006	HASSAN IMRAN.M.	P	P	P	P	P
5	110117105007	IJAJ AHAMED.S	P	P	P	P	P
6	110117105008	JAVITH AHAMED.M	P	P	P	P	P
7	110117105009	KALKIRAM.G	P	P	A	P	P
8	110117105010	MEERAN OL.IK	P	P	P	P	P
9	110117105011	MOHAMED ADNAN FARID.S.	P	P	P	P	P
10	110117105012	MOHAMED ALI RAZEEN M S	P	P	P	P	P
11	110117105013	MOHAMED ARSHAD JAMEEL	P	P	P	P	P
12	110117105015	MOHAMED AZARUDEEN	P	P	P	P	P
13	110117105016	MOHAMED FAARIS.M	P	P	P	P	P
14	110117105018	MOHAMED INZAMAM.A	P	P	P	P	P
15	110117105019	MOHAMED OWAISH S	P	P	P	P	P
16	110117105020	MOHAMED SULAIMAN.S.	P	P	P	P	P
17	110117105021	MOHAMED THARIQUE	P	P	P	P	P
18	110117105023	MOHAMMED SHAIK SIMAR.K.M.	P	P	P	P	P
19	110117105024	MOHAMMED THAUQHEER	P	P	P	P	P
20	110117105025	MUJAHIDEEN AHAMED B	P	P	P	P	P
21	110117105027	RIYAS .P	P	P	P	P	P
22	110117105028	SAHUL HAMEED V	P	P	P	P	P
23	110117105029	SYED AZEEM.S	P	P	P	P	P
24	110117105030	SYED THARIQ A	P	P	P	P	P
25	110117105301	AHAMED NOWFAL	P	P	P	P	P
26	110117105302	AJKAR ALI.A	P	P	P	P	P
27	110117105305	PREETHI JENIFER.M	P	P	P	P	P
28	110117105306	PUSHPA GOMATHI.M	P	P	P	P	P
29	110117105307	SARAVANAN.S	P	P	P	P	P
30	110117105308	YUVARAJ.S	P	P	P	P	P
31	110117105701	MUTHAMMAD IFTHIKAR M	P	P	P	P	P



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**College of Engineering**

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**Certificate course on Simulation of circuits using MATLAB**  
**Academic year- 2020-2021**

BATCH: 2017-2021

YEAR: IV

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2	110117105003	FAIZAL M	P	P	P	P	P
3	110117105005	HANIF ADHITHAN N A	P	A	P	P	P
4	110117105006	HASSAN IMRAN.M.	P	P	P	P	P
5	110117105007	IJAJ AHAMED.S	P	P	P	P	P
6	110117105008	JAVITH AHAMED.M	P	P	P	P	P
7	110117105009	KALKIRAM.G	P	P	A	P	P
8	110117105010	MEERAN OLI.K	P	P	P	P	P
9	110117105011	MOHAMED ADNAN FARID.S.	P	P	P	P	P
10	110117105012	MOHAMED ALI RAZEEN M S	P	P	P	P	P
11	110117105013	MOHAMED ARSHAD JAMEEL	P	P	P	P	P
12	110117105015	MOHAMED AZARUDEEN	P	P	P	P	P
13	110117105016	MOHAMED FAARIS.M	P	P	P	P	P
14	110117105018	MOHAMED INZAMAM.A	P	P	P	P	P
15	110117105019	MOHAMED OWAISH S	P	P	P	P	P
16	110117105020	MOHAMED SULAIMAN.S.	P	P	P	P	P
17	110117105021	MOHAMED THARIQUE	P	P	P	P	P
18	110117105023	MOHAMMED SHAIK SIMAR.K.M.	P	P	P	P	P
19	110117105024	MOHAMMED THAUQHEER	P	P	P	P	P
20	110117105025	MUJAHIDEEN AHAMED B	P	P	P	P	P
21	110117105027	RIYAS .P	P	P	P	P	P
22	110117105028	SAHUL HAMEED V	P	P	P	P	P
23	110117105029	SYED AZEEM.S	P	P	P	P	P
24	110117105030	SYED THARIQ A	P	P	P	P	P
25	110117105301	AHAMED NOWFAL	P	P	P	P	P
26	110117105302	AJKAR ALIA	P	P	P	P	P
27	110117105305	PREETHI JENIFER.M	P	P	P	P	P
28	110117105306	PUSHPA GOMATHI.M	P	P	P	P	P
29	110117105307	SARAVANAN.S	P	P	P	P	P
30	110117105308	YUVARAJ.S	P	P	P	P	P
31	110117105701	MUTHAMMAD IFTHIKAR M	P	P	P	P	P



**PRINCIPAL**  
**AALIM MUHAMMED SALEGH**  
**COLLEGE OF ENGINEERING**

*[Signature]*  
 HEAD/EEE  
 HEAD  
 Electrical & Electronics Engg.  
 Aalim Muhammed Salegh  
 College of Engineering



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
 Certificate course on Simulation of circuits using MATLAB  
 Academic year- 2020-2021

BATCH: 2017-2021

YEAR: IV

S.No	Reg. no	NAME	29.8.20	31.8.20	01.9.20	29.20	3.9.20
1	110117105001	ABDUL JASUDEEN N	P	P	P	P	P
2	110117105003	FAIZAL M	P	P	P	P	P
3	110117105005	HANIF ADHITHAN N A	P	A	P	P	P
4	110117105006	HASSAN IMRAN.M.	P	P	P	P	P
5	110117105007	IJAJ AHAMED.S	P	P	P	P	P
6	110117105008	JAVITH AHAMED.M	P	P	P	P	P
7	110117105009	KALKIRAM.G	P	P	A	P	P
8	110117105010	MEERAN OLI.K	P	P	P	P	P
9	110117105011	MOHAMED ADNAN FARID.S.	P	P	P	P	P
10	110117105012	MOHAMED ALI RAZEEN M S	P	P	P	P	P
11	110117105013	MOHAMED ARSHAD JAMEEL	P	P	P	P	P
12	110117105015	MOHAMED AZARUDEEN	P	P	P	P	P
13	110117105016	MOHAMED FAARIS.M	P	P	P	P	P
14	110117105018	MOHAMED INZAMAM.A	P	P	P	P	P
15	110117105019	MOHAMED OWAISH S	P	P	P	P	P
16	110117105020	MOHAMED SULAIMAN.S.	P	P	P	P	P
17	110117105021	MOHAMED THARIQUE	P	P	P	P	P
18	110117105023	MOHAMMED SHAIK SIMAR.K.M.	P	P	P	P	P
19	110117105024	MOHAMMED THAUQHEER	P	P	P	P	P
20	110117105025	MUJAHIDEEN AHAMED B	P	P	P	P	P
21	110117105027	RIYAS .P	P	P	P	P	P
22	110117105028	SAHUL HAMEED V	P	P	P	P	P
23	110117105029	SYED AZEEM.S	P	P	P	P	P
24	110117105030	SYED THARIQ A	P	P	P	P	P
25	110117105301	AHAMED NOWFAL	P	P	P	P	P
26	110117105302	AJKAR ALIA	P	P	P	P	P
27	110117105305	PREETHI JENIFER.M	P	P	P	P	P
28	110117105306	PUSHPA GOMATHI.M	P	P	P	P	P
29	110117105307	SARAVANAN.S	P	P	P	P	P
30	110117105308	YUVARAJ.S	P	P	P	P	P
31	110117105701	MUTHAMMAD IFTHIKAR M	P	P	P	P	P



[Signature]

PRINCIPAL  
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 COLLEGE OF ENGINEERING

[Signature]

HEAD/EEE  
 19/9/20

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**Certificate course on Simulation of circuits using MATLAB**  
**Academic year- 2020-2021**


BATCH: 2019-2023

YEAR: II

S.No	Reg. no	NAME	29.8.20	31.8.20	01.9.20	29.20	31.9.20
1	110119105001	ABDUR RAHEEM M F	P	P	P	P	P
2	110119105002	ANNALAKSHMI P	P	P	P	P	P
3	110119105003	JAINULABDEEN ALMUBEEN AHAMED S	P	P	P	P	P
4	110119105004	MOHAMED ASKAR ASIF S	P	P	P	P	P
5	110119105006	MOHAMED FIRNAS M	P	P	P	P	P
6	110119105007	MOHAMED HAMEED KAMSA K	P	P	P	P	P
7	110119105008	MOHAMED HUSSAIN K	P	P	P	P	P
8	110119105009	MOHAMED RISWAN N	P	P	P	P	P
9	110119105010	MOHAMED SALMAN T	P	P	P	P	P
10	110119105011	PACCHA GUNA SEKHAR	P	P	P	P	P
11	110119105012	SAIFUDEEN A	P	P	P	P	P
12	110119105013	SAJID J	P	P	P	P	P
13	110119105014	SALAHUDEEN S	P	P	P	P	P
14	110119105015	TAHA NOORAIN	P	P	P	P	P
15	110119105301	MOHAMMED SHAKEEL B	P	P	P	P	P
16	110119105302	SYED MOHAMMED HAFEEZ M	P	P	P	P	P



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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
 Certificate course on Simulation of circuits using MATLAB  
 Academic year- 2020-2021

BATCH: 2019-2023

YEAR: II

S.No	Reg. no	NAME	4.9.20	7.9.20	8.9.20	9.9.20	11.9.20
1	110119105001	ABDUR RAHEEM M F	P	P	P	P	P
2	110119105002	ANNALAKSHMI P	P	P	P	P	P
3	110119105003	JAINULABDEEN ALMUBEEN AHAMED S	P	P	P	P	P
4	110119105004	MOHAMED ASKAR ASIF S	P	P	P	P	P
5	110119105006	MOHAMED FIRNAS M	P	P	P	P	P
6	110119105007	MOHAMED HAMEED KAMSA K	P	P	P	P	P
7	110119105008	MOHAMED HUSSAIN K	P	P	P	P	P
8	110119105009	MOHAMED RISWAN N	P	P	P	P	P
9	110119105010	MOHAMED SALMAN T	P	P	P	P	P
10	110119105011	PACCHA GUNA SEKHAR	P	P	P	P	P
11	110119105012	SAIFUDEEN A	P	P	P	P	P
12	110119105013	SAJID J	P	P	P	P	P
13	110119105014	SALAHUDEEN S	P	P	P	P	P
14	110119105015	TAHA NOORAIN	P	P	P	P	P
15	110119105301	MOHAMMED SHAKEEL B	P	P	P	P	P
16	110119105302	SYED MOHAMMED HAFEEZ M	P	P	P	P	P



*[Handwritten Signature]*  
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 Academic year- 2020-2021

BATCH: 2019-2023

YEAR: II

S.No	Reg. no	NAME	14.9.20	15.9.20	17.9.20	18.9.20	19.9.20
1	110119105001	ABDUR RAHEEM M F	P	P	P	P	P
2	110119105002	ANNALAKSHMI P	P	P	P	P	P
3	110119105003	JAINULABDEEN ALMUBEEN AHAMED S	P	P	P	P	P
4	110119105004	MOHAMED ASKAR ASIF S	P	P	P	P	P
5	110119105006	MOHAMED FIRNAS M	P	P	P	P	P
6	110119105007	MOHAMED HAMEED KAMSA K	P	P	P	P	P
7	110119105008	MOHAMED HUSSAIN K	P	P	P	P	P
8	110119105009	MOHAMED RISWAN N	P	P	P	P	P
9	110119105010	MOHAMED SALMAN T	P	P	P	P	P
10	110119105011	PACCHA GUNA SEKHAR	P	P	P	P	P
11	110119105012	SAIFUDEEN A	P	P	P	P	P
12	110119105013	SAJID J	P	P	P	P	P
13	110119105014	SALAHUDEEN S	P	P	P	P	P
14	110119105015	TAHA NOORAIN	P	P	P	P	P
15	110119105301	MOHAMMED SHAKEEL B	P	P	P	P	P
16	110119105302	SYED MOHAMMED HAFEEZ M	P	P	P	P	P



*M*  
**PRINCIPAL**  
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*M*  
 19/9/20

**HEAD**  
 Electrical & Electronics Engg.  
 Aalim Muhammed Salegh  
 College of Engineering

Mr.Kailas Menon  
Manager,  
HoistTechnologies



Date:16 -10- 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that AHAMED IJAZ.K, of Aalim Muhammed Salegh College of Engineering, Avadi-IAF has successfully completed **“SIMULATION OF CIRCUITS USING MATLAB”** Course conducted from 29.08.2020 to 19.09.2020



Sincerely,

*Nirav*

**Nirav Narayanan,**  
HR - Team, Hoist Technologies

**PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING**



Mr.Kailas Menon  
Manager,  
HoistTechnologies



Date:16 -10- 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that IMRAN AHMED.J, of Aalim Muhammed Salegh College of Engineering, Avadi-IAF has successfully completed **“SIMULATION OF CIRCUITS USING MATLAB”** Course conducted from 29.08.2020 to 19.09.2020



Sincerely,

*Nirav*

**Nirav Narayanan,**

HR - Team, Hoist Technologies

**PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING**



Mr.Kailas Menon  
Manager,  
HoistTechnologies



Date:16 -10- 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that MOHAMED HAMEED ASKAR.S.A, of Aalim Muhammed Salegh College of Engineering, Avadi-IAF has successfully completed “**SIMULATION OF CIRCUITS USING MATLAB**” Course conducted from 29.08.2020 to 19.09.2020



Sincerely,

*Nirav*

**Nirav Narayanan,**

HR - Team, Hoist Technologies

A handwritten signature in green ink, appearing to be 'Nirav Narayanan'.

**PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING**



Mr.Kailas Menon  
Manager,  
HoistTechnologies



Date:16 -10- 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that MOHAMMED ASHIQ.S.A, of Aalim Muhammed Salegh College of Engineering, Avadi-IAF has successfully completed **“SIMULATION OF CIRCUITS USING MATLAB”** Course conducted from 29.08.2020 to 19.09.2020



Sincerely,

*Nirav*

**Nirav Narayanan,**

HR - Team, Hoist Technologies

*[Signature]*  
**PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING**





Mr.Kailas Menon  
Manager,  
HoistTechnologies



Date:16 -10- 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that SEYED MOHAMED BUHARI, of Aalim Muhammed Salegh College of Engineering, Avadi-IAF has successfully completed **“SIMULATION OF CIRCUITS USING MATLAB”** Course conducted from 29.08.2020 to 19.09.2020



Sincerely,

**Nirav Narayanan,**

HR - Team, Hoist Technologies

**PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING**

