AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

IAF-AVADI, CHENNAI - 55

DEPARTMENT OF INFORMATION TECHNOLOGY

CIRCULAR

Date: 02-02-2021

Department of Information Technology plans to conduct a Value added Course certification on "**Image Processing with MATLAB**" by **Mr. S. Senthilraj**, Elbound Systems Pvt Ltd for the beneficiaries are our II, III and Final Year IT students.

This Course is Scheduled from February 08, 2021 to February 26, 2021. All students must attend all classes without fail. Students who complete the course successfully will get certificates.

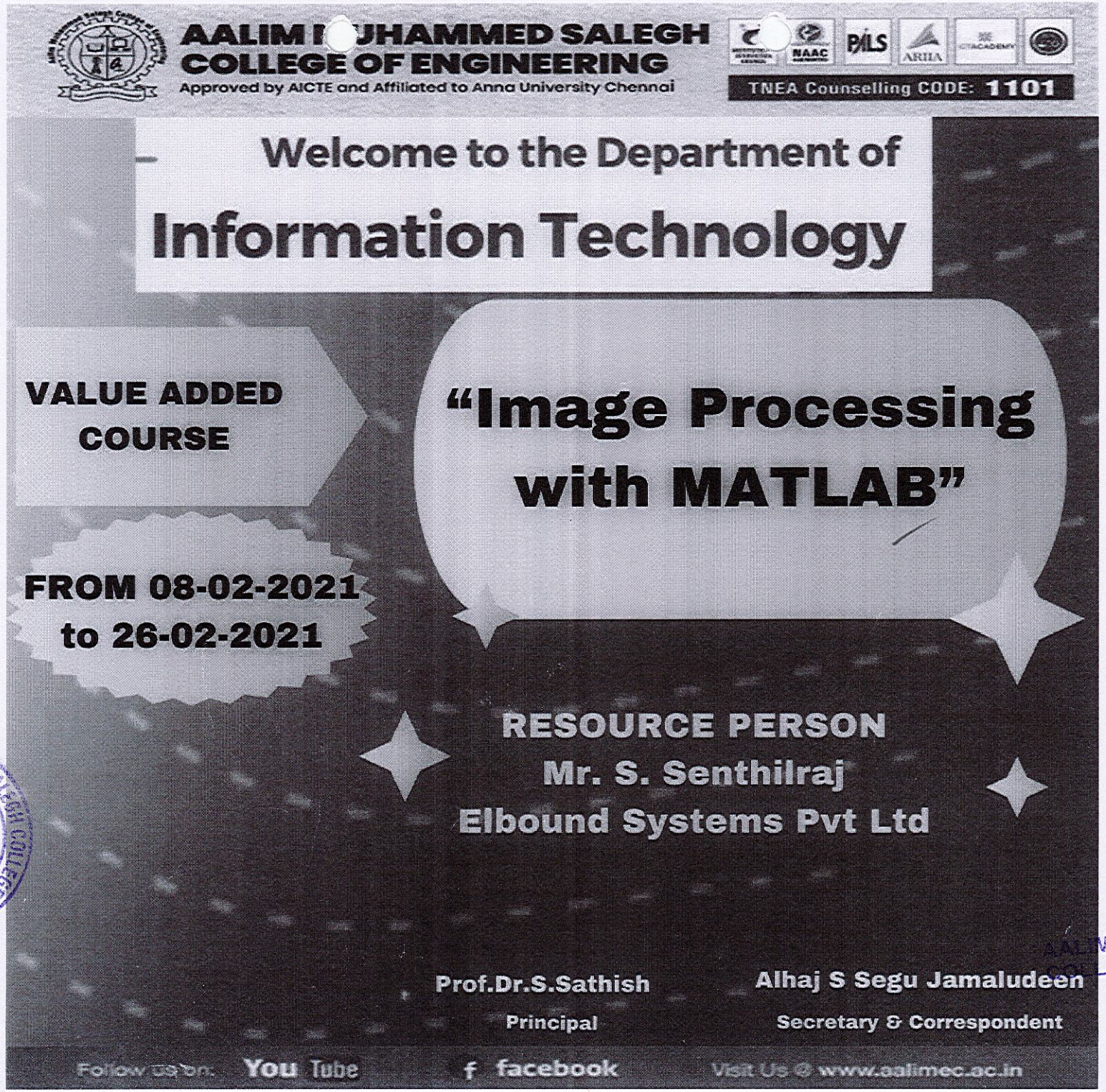
2/2/21

HEAD/IT

Copy to:-

1. Principal.
2. IQAC
3. Resource Person
4. IT Faculty Members
5. II, III & IV year IT Whatsapp group
6. Hostel/Transport Supervisor
8. Campus Manager
9. Campus Engineer

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING



AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
Approved by AICTE and Affiliated to Anna University Chennai

TNEA Counselling CODE: 1101

Welcome to the Department of

Information Technology

VALUE ADDED COURSE

"Image Processing with MATLAB"

FROM 08-02-2021 to 26-02-2021

RESOURCE PERSON
Mr. S. Senthilraj
Elbound Systems Pvt Ltd

Prof.Dr.S.Sathish
Principal

Alhaj S Segu Jamaludeen
Secretary & Correspondent

Follow us on: You Tube facebook Visit Us @ www.aalimec.ac.in

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

IAF-AVADI, CHENNAI - 55

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE-ADDED COURSE- SUMMARY REPORT

COURSE NAME: IMAGE PROCESSING WITH MATLAB

Date: 8-2-2021 to 26-02-2021

Time: 4 PM TO 7 PM

Mode of Conduction : Offline

Speaker: S. Senthilraj

Students Attended: 72

Objective of the Course:

- Understand the fundamentals of image processing techniques and their applications across various domains.
- Gain proficiency in using MATLAB for image manipulation, enhancement, segmentation, and classification.
- Develop practical skills in implementing key image processing tasks and algorithms using MATLAB's tools and functions.

Summary of the course : This course provides a comprehensive introduction to image processing using MATLAB, covering basic to advanced techniques and their practical applications. Participants will learn to utilize MATLAB's Image Processing Toolbox and deep learning capabilities for analyzing and manipulating images, preparing them to address complex challenges in image analysis and recognition.

Course Outcomes:

Upon successful completion of this course, students should be able to:

- Understand the principles and applications of image processing using MATLAB.
- Utilize MATLAB for various image processing tasks including enhancement, segmentation, and classification.
- Gain practical experience in implementing advanced image processing techniques and exploring emerging trends in the field.

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai
NAAC Accredited Institution
"Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055.
ANNA UNIVERSITY COUNSELLING CODE : 1101

Place: Chennai
Date: 27-01-2021

From

Head of the Department
Department of Information Technology
Aalim Muhammed Salegh College of Engineering
Avadi IAF, Muthapudupet
Chennai - 600055

To

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

Respected Sir,

Sub: Requisition for the approval to conduct Value Added course in our IT department – Reg.

Resource Person: Mr. **S. Senthilraj**, Elbound Systems Pvt Ltd.

We wish to conduct Value Added course in our IT department on the topic "**Image Processing with MATLAB**" an Alumni Guest Lecture Series from 08-02-2021 to 26-02-2021.

The objective of conducting this Value Added course will give the industry focus in developing skills required by using latest technology advancement in "**Image Processing with MATLAB**". This effort will benefit our Student's community and bring core strength in engineering field.

Thank you.

permitted
28/1/2021

Yours truly,

27/1/21
HEAD/IT

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
CHENNAI
600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

IAF-AVADI, CHENNAI - 55

DEPARTMENT OF INFORMATION TECHNOLOGY

Certificate Course Details

Course Name: IMAGE PROCESSING WITH MATLAB

Date : 8/2/2021 to 26/02/2021

Week	Content	Total Hours/Week
1	**Introduction to Image Processing and Basic Techniques** • Introduction to image processing: Concepts, challenges, and applications • Overview of MATLAB for image processing: Key functions and capabilities • Image representation in MATLAB: Handling image data, grayscale vs. color images • Image enhancement techniques: Histogram equalization, contrast adjustment • Filtering in image processing: Spatial vs. frequency domain filters • Overview of MATLAB's Image Processing Toolbox	15
2	**Advanced Image Processing Techniques and Applications** • Image segmentation methods: Thresholding, region-based segmentation • Applications of image segmentation in object detection and medical imaging • Feature extraction from images: Shape descriptors, texture features • Image classification techniques: Supervised vs. unsupervised learning approaches • Applications of image classification in pattern recognition and remote sensing • Future trends in image processing: Deep learning advancements, image synthesis	15
Total Hours		**30**

ALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Approved by All India Council for Technical Education - New Delhi, Affiliated to Anna University, Chennai
NAAC Accredited Institution
"Nizara Educational Campus", Muthapudupet, Avadi - IAF, Chennai - 600 055.
ANNA UNIVERSITY COUNSELLING CODE : 1101

Value Added Course Tentative Time Table And Schedule

Value Added Course Name: **Image Processing with MATLAB**

Date of Commencement: From 08-02-2021

Timing: 4 PM TO 7 PM

Tentative Date of Exam- 26-02-2021

Tentative Course Schedule - 08-02-2021 to 26-02-2021 (As per following)

No. of Weeks: 2 No. Of Days: 10

Course Hours: 30

Speaker: Mr. **S. Senthilraj**

1. Module -1: **Introduction to Image Processing and Basic Techniques**
   08-02-2021 to 12-02-2021 (5 Days) – 15 Hours
2. Module -2: **Advanced Image Processing Techniques and Applications**
   22-02-2021 to 26-02-2021 (5 Days) – 15 Hours

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
CHENNAI
600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
STUDENT ATTENDANCE LIST
2020-21_IV YEAR

S.No	REG.NO	Name of the Student	8/2/21	9/2/21	10/2/21	11/2/21	12/2/21	22/2/21	23/2/21	24/2/21	25/2/21	26/2/21
1	110117205001	AADHISITHAN.R										
2	110117205002	AYEESHA KHATOON B										
3	110117205003	DHANISHA.R										
4	110117205004	JAFAR SHAREEF.U										
5	110117205005	MAHALAKSHMI J										
6	110117205006	MOHAMED ABBAS										
7	110117205007	MOHAMED ABDUL MALIK										
8	110117205008	MOHAMED ABUBACKER S										
9	110117205009	MOHAMED ARFIN.J										
10	110117205010	MOHAMED ASHIK.M										
11	110117205011	MOHAMED ASSIF.A										
12	110117205012	MOHAMED IBRAHIM.M										
13	110117205013	MOHAMED SHAFITH.K										
14	110117205014	RABIA MAA S										
15	110117205015	RABIYA NOORIE M A	AB	AB		AB						
16	110117205016	SHANOFAR JUHI.M										
17	110117205017	SYED FARHAN MOHIDEEN				AB		AB	AB			
18	110117205018	ZAINAB SABA M					AB				AB	
19	110117205019	ZEENATH BEGUM.N										
20	110117205301	DASS E										
21	110117205302	SARBUDEEN KATHER S	AB		AB			AB				
22	110117205303	WASEEQ AHMED T										

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

26/2/21

HEAD/IT

PRINCIPAL

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPET
CHENNAI 600 055

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
STUDENT ATTENDANCE LIST
2020-21_III YEAR

S.No	REG.NO	Name of the Student	8/2/21	9/2/21	10/2/21	11/2/21	12/2/21	22/2/21	23/2/21	24/2/21	25/2/21	26/2/21
1	110118205001	ASIM KHAN.A										
2	110118205002	ENAMULHUK M										
3	110118205004	HIDARALI A										
4	110118205005	MADHUMEGA A										
5	110118205007	MOHAMED MARWAN VM										
6	110118205008	MOHAMED NAWAZ M										
7	110118205009	SABA ZEHRA S										
8	110118205010	SALMA A										
9	110118205011	SALMAN AHAMED J										
10	110118205012	SALMAN AL FARISHI K										
11	110118205013	SANJAY BITRA N										
12	110118205014	SHABANA PARVEEN K										
13	110118205015	SYED MOHAMED DHANISH M R										
14	110118205302	GOWTHAM A										

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

26/2/21
HEAD/IT

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

PRINCIPAL
PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPET
CHENNAI 600 055

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
STUDENT ATTENDANCE LIST
2020-21_II YEAR

S.No	REG.NO	Name of the Student	8/2/21	9/2/21	10/2/21	11/2/21	12/2/21	22/2/21	23/2/21	24/2/21	25/2/21	26/2/21
1	110119205001	ABDUL AKEEB M										
2	110119205002	ABDULLAH S										
3	110119205003	ABDUL RAHMAN K										
4	110119205004	ABDUL WAJID A K										
5	110119205006	ABDUS SHAKOOR H H										
6	110119205007	ABILESH A										
7	110119205008	AFRAH J										
8	110119205009	AFRAH FATHIN F N										
9	110119205010	AHAMED JAASIR H										
10	110119205011	ARAVIND A										
11	110119205012	ASHIKA NOORIYA M										
12	110119205013	AZHAR AYYASH A										
13	110119205014	BASHEER AHAMED ZUBAIR V A										
14	110119205015	FARHEEN OMAR										
15	110119205016	GOKUL AR										
16	110119205017	HASWATH R										
17	110119205018	IMBRESH KANNA M										
18	110119205019	JAIGANESH S										
19	110119205020	MOHAMED ARISH M R										
20	110119205021	MOHAMED FAIZAL A										
21	110119205022	MOHAMED HUSSAIN KANI S										

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

22	110119205023	MOHAMED NAWASATH ALI M											
23	110119205024	MOHAMED SULTHAN IBRAHIM S											
24	110119205025	MOHAMMED FASEHIULLAH N											
25	110119205026	MOHAMMED ISMAIL K M											
26	110119205027	MOHAMMED ISMAIL KAFIL S											
27	110119205028	MOHAMMED NAWFAL H											
28	110119205030	MOHAMMED SHAFRUL MISKATH S											
29	110119205031	MOHAMMED UMRAZ SHARIFF I											
30	110119205032	MOHIEDDIN ABDUL QADHAR											
31	110119205034	PRASANNA G											
32	110119205035	RIZWANA A											
33	110119205036	SHEIK AMANULLAH U											
34	110119205037	SYED ALI FATHIMA A											
35	110119205038	SYED IJAZ AHAMED Z											
36	110119205039	SYED MOHAMED ZAHID S											
37	110119205040	YUSRA SABA M											
38	110119205041	ZAID HARIS F											
39	110119205301	AALIYA FATHIMA F											
40	110119205302	MOHAMMED THAHIR A											

ALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

26/2/21

HEAD/IT

PRINCIPAL

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPET
CHENNAI 600 055

ELBOUND SYSTEMS PVT LTD

CIN : U74999TN2017PTC114288

ECI-202121320

03.03.2021

COURSE CERTIFICATE

This is to certify that **AADHISITHAN.R** has done his course in **Image Processing with MATLAB** at Elbound Systems Pvt Ltd, Chennai, from 08.02.2021 to 26.02.2021. During his course he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

DIRECTOR

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

GST : 33AAECE5326Q1ZD

+91 7373884554, 044-48534554 Info@elbound.com www.elbound.com

NO-22, 2nd floor, South Sivan Koil st, Near best hospital road,Kodambakkam,Chennai-600024

ELBOUND SYSTEMS PVT LTD

CIN : U74999TN2017PTC114288

ECI-202121321

03.03.2021

COURSE CERTIFICATE

This is to certify that **AYEESHA KHATOON B** has done his course in **Image Processing with MATLAB** at Elbound Systems Pvt Ltd, Chennai, from 08.02.2021 to 26.02.2021. During his course he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

DIRECTOR

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

GST : 33AAECE5326Q1ZD

+91 7373884554, 044-48534554 Info@elbound.com www.elbound.com

NO-22, 2nd floor, South Sivan Koil st, Near best hospital road,Kodambakkam,Chennai-600024

ELBOUND SYSTEMS PVT LTD

CIN : U74999TN2017PTC114288

ECI-202121322

03.03.2021

COURSE CERTIFICATE

This is to certify that **DHANISHA R** has done her course in **Image Processing with MATLAB** at Elbound Systems Pvt Ltd, Chennai, from 08.02.2021 to 26.02.2021. During her course she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations and he was able to complete the project on time.

We wish her all the best for her upcoming career.

DIRECTOR

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

GST : 33AAECE5326Q1ZD

+91 7373884554, 044-48534554 info@elbound.com www.elbound.com

NO-22, 2nd floor, South Sivan Koil st, Near best hospital road,Kodambakkam,Chennai-600024

ELBOUND SYSTEMS PVT LTD

CIN : U74999TN2017PTC114288

ECI-202121323

03.03.2021

COURSE CERTIFICATE

This is to certify that JAFAR SHAREEF.U has done his course in **Image Processing with MATLAB** at Elbound Systems Pvt Ltd, Chennai, from 08.02.2021 to 26.02.2021. During his course he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

DIRECTOR

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING CHENNAI 600 055

PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

GST : 33AAECE5326Q1ZD

+91 7373884554, 044-48534554 Info@elbound.com www.elbound.com

NO-22, 2nd floor, South Sivan Koil st, Near best hospital road,Kodambakkam,Chennai-600024