



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING**  
**IAF-AVADI, CHENNAI - 55**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**STUDENT CIRCULAR**

**Date: 05-08-2020**

The Department of Computer Science and Engineering plans to conduct a Value Added Course on **“IOS App development”** by **Mr. MOTHILAL, “HOIST TECHNOLOGIES”**, for the benefit of III year CSE Students. This Course is Scheduled from **12-08-2020 to 04-09-2020 at 04:00 p.m. to 05:50 p.m.** for 33 hours(4 weeks). All the students must attend all the online classes without fail.

Criteria for eligibility to get Certificate:

- 75% attendance
- Above 50% mark in quiz

*Thanks by*  
*5/8/20*

HOD/CSE  
Computer Science & Engineering  
Aalim Muhammed Salegh  
College of Engineering

Copy to:

Principal  
IQAC  
Resource Person: Mr.Mothilal  
CSE Faculty Members  
III year CSE Whatsapp Group  
Hostel/Transport Supervisor  
Campus Manager  
Campus Engineer



*[Signature]*  
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COLLEGE OF ENGINEERING**

Approved by AICTE and Affiliated to Anna University Chennai



**TNEA Counselling CODE: 1101**

**Department of Computer Science and Engineering**

*organizes*



**VALUE ADDED COURSE  
ON  
IOS APP DEVELOPMENT  
FOR-III YEAR STUDENTS**

**RESOURCE PERSON**

**Mr.MOTHILAL**

**M/S HOIST**

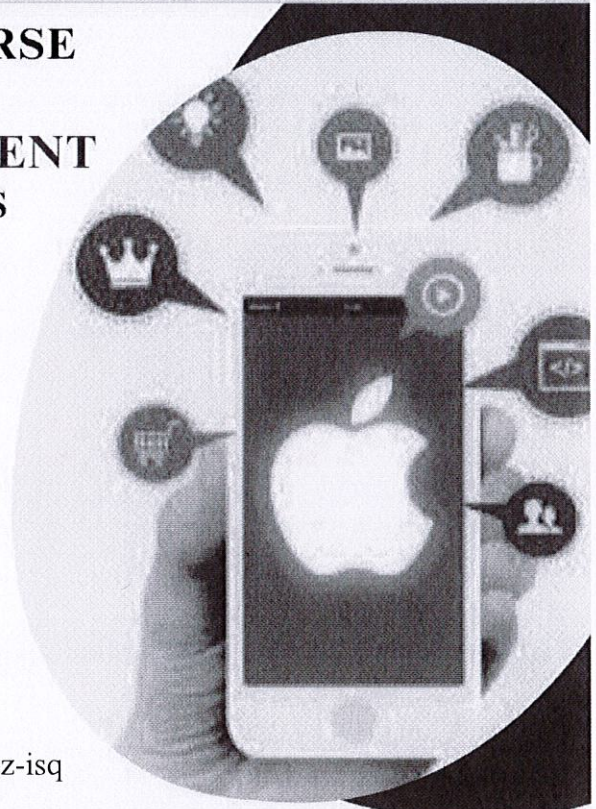
**TECHNOLOGIES**

**FROM :12-08-2020 to**

**04-09-2020**

**Time: 4.00Pm to**

**5.50Pm**



Meet Link: <https://meet.google.com/yzs-fxpz-isq>

**Dr.N.R.Shanker  
HOD/CSE**

**Prof.Dr.Afzal Ali Baig  
Principal**

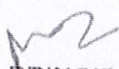
**Alhaj S Segu Jamaludeen  
Secretary & Correspondent**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**VALUE-ADDED COURSE-SUMMARY REPORT**

**COURSENAME:IOS APP DEVELOPMENT**

**Time: 4.00 P.M to 5.50 P.M**

**Duration Course:12.08.2020 to 4.09.2020**

**No of Weeks:4**

**No of Hours:33**

**No of Module:4**

**Mode of Conduction : Online**

**Speaker :Mr.MOTHILAL**

**Students Attended :62**

**Students Certified : 62**

**Objective of the Course:**

- The IOS environment is more integrated. The IOS platform itself provides a collection of services that make it easy for developers to add sophisticated features to their applications.

**Summary of the course :**

A total of 62 Students were Participated and got introduced with IOS APP DEVELOPMENT. The students will learn how to prepare data in a streamlined and intuitive User Interface (UI). IOS offers a consistent and simple User Experience across all devices and apps. It has clear and easy-to-follow navigation, gestures, and commands.



  
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**Course Outcomes:**

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

- Design and Develop iphone and ipad applications.
- Upload ios application on app store.

*husein*  
*04/09/20*

**COURSE COORDINATOR**

*J. Chahar M*  
*04/09/2020*

**HOD/CSE**

**HEAD**

**Computer Science & Engineering**  
**Aalim Muhammed Salegh**  
**College of Engineering**



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From

Date: 04-08-2020

The HOD,  
Department of Computer Science and Engineering,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi,  
Chennai- 600 055.

To

The Principal,  
Aalim Muhammed Salegh College of Engineering,  
Muthapudupet, Avadi,  
Chennai - 600 055.

Subject: Requisition for Approval of Value-Added Course on "IOS App Development"- Reg.

Respected Sir,

We would like to arrange a Value-Added Course on the title "IOS App Development" for third-year CSE students. The Course will be conducted by "Mr. Mothilal", M/s Hoist Technologies. The Value-Added Course will be conducted from 12.08.2020 to 04.09.2020. So we kindly request you to provide approval for the same.

Thanking you

*Shankar M*  
4/08/2020

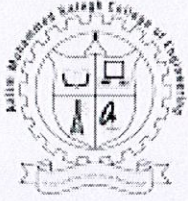
Yours Faithfully

HOD/CSE

*permitted*  
*Shal*  
*4/8/2020*  
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CHENNAI 600 055



*Shankar M*  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**Value Added CourseDetails**

**CourseName:IOS AppdevelopmentDate:12-08-2020to04-09-2020**

| <b>S.NO</b> | <b>Content</b>   | <b>TotalHours</b> |
|-------------|--|-------------------|
| 1           | <b>Module1:Introductionto Mobile Application Development</b> <ul style="list-style-type: none"><li>● Introduction to Tools of the Course</li><li>● The Swift Programming Language</li><li>● TheSwiftPlayground</li><li>● Comments</li><li>● Theprintln()function</li><li>● Variables</li><li>● Constants</li><li>● Datatypes</li><li>● Optionals</li><li>● Typeinference</li><li>● Conditional Statements &amp; Operators</li><li>● Comparisonoperators, Strings</li></ul> | 9                 |



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|   |  |   |
|---|--|---|
| 2 | <p><b>Module2:TipCalculatorApp</b></p> <ul style="list-style-type: none"> <li>• Functions</li> <li>• Unwrapping</li> <li>• Optionalbinding</li> <li>• Loops</li> <li>• Object-orientedprogramming</li> <li>• Objects&amp;classes</li> <li>• Structs</li> <li>• Creatingasubclass</li> <li>• Methodoverriding</li> <li>• Protocol&amp;Delegates</li> <li>• Course Syllabus   iOS App DevelopmentBootcamp2</li> <li>• Defining&amp;impleme<br/>nting protocol</li> <li>• Delegatedesignpattern</li> <li>• Closures</li> </ul> <p><b>ENUMS(Creating&amp;using enumerations)</b></p> <ul style="list-style-type: none"> <li>• TypeCasting</li> <li>• Tuples</li> <li>• Alaises</li> <li>• Arc</li> </ul> | 9 |
|---|--|---|



  
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|   |  |    |
|---|--|----|
| 3 | <b>Module3:CardWarApp</b><br><br><b>TheDataModel&amp;Linking the UI to Code</b> <ul style="list-style-type: none"> <li>● AddingVariablestotheView Controller</li> <li>● DisplayingtheCards&amp;Score</li> <li>● AnimatingtheCards</li> </ul> | 8  |
| 4 | <b>Module 4:BuildingtheListsApp</b> <ul style="list-style-type: none"> <li>● EstablishinganAppleDeveloper Account</li> <li>● UIwithTwoViewControllers ThatDisplay Table Cells</li> <li>● Refining Beautifying the UI</li> </ul>              | 7  |
|   | <b>TOTAL</b>   | 33 |



  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**COURSE NAME:IOS APP DEVELOPMENT**

**TIMING:4.00 P.M TO 5.50 PM**

| <b>S.No</b> | <b>DATE</b> | <b>COURSE CONTENT</b>                                       |
|-------------|-------------|---|
| 1           | 12/08/2020  | Introduction to Mobile Application Development              |
| 2           | 13/08/2020  | The Swift Programming Language                              |
| 3           | 14/08/2020  | The Swift Playground,Comments                               |
| 4           | 17/08/2020  | The println() function,Variables,Constants,Data types       |
| 5           | 18/08/2020  | Optionals,Type inference,Conditional Statements & Operators |
| 6           | 19/08/2020  | Comparison operators, Strings                               |
| 7           | 20/08/2020  | Functions,Unwrapping,Optional binding                       |
| 8           | 21/08/2020  | Loops,Object-oriented programming,Objects & classes         |
| 9           | 24/08/2020  | Structs,Creating a subclass,Method overriding               |
| 10          | 25/08/2020  | Protocol & Delegates  |
| 11          | 26/08/2020  | Delegate design pattern,Closures                            |
| 12          | 27/08/2020  | ENUMS,Type Casting,Tuples                                   |
| 13          | 28/08/2020  | The Data Model & Linking the UI to Code                     |
| 14          | 31/08/2020  | Adding Variables to the View Controller                     |
| 15          | 01/09/2020  | Displaying the Cards & Score Animating the Cards            |
| 16          | 02/09/2020  | Establishing an Apple Developer Account                     |
| 17          | 03/09/2020  | UI with Two View Controllers That Display Table Cells       |
| 18          | 04/09/2020  | Refining & Beautifying the UI                               |



  
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5/9/20



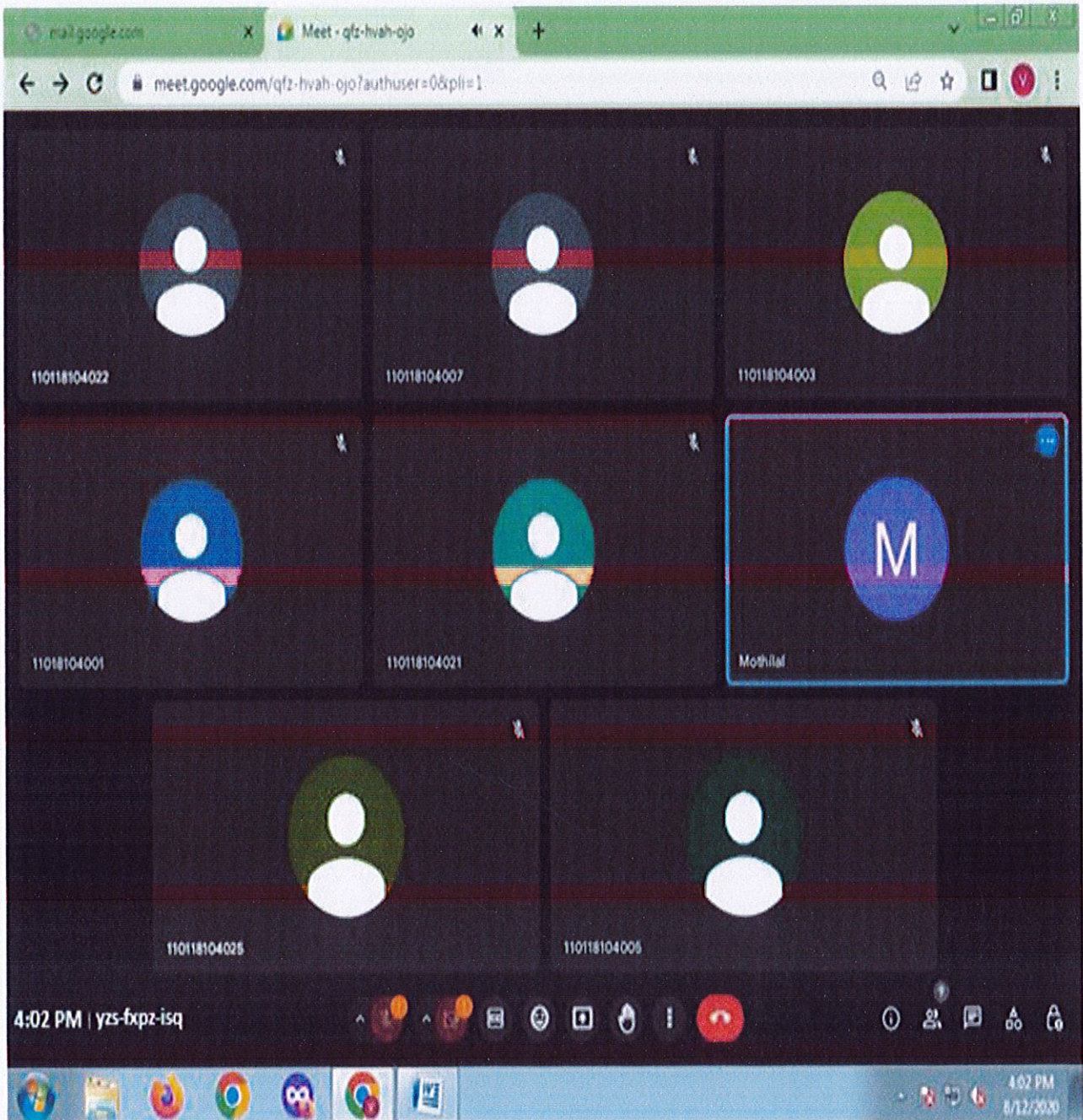
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR: 2020-2021**

**COURSE NAME: IOS APP DEVELOPMENT**



*[Signature]*  
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**VALUE ADDED COURSE - ATTENDANCE SHEET**  
**COURSE NAME: IOS APP DEVELOPMENT**



| S.NO | REGISTER NUMBER | STUDENT NAME          | 12/8/20 | 13/8/20 | 14/8/20 | 17/8/20 | 18/8/20 | 19/8/20 | 20/8/20 | 21/8/20 | 24/8/20 | 25/8/20 | 26/8/20 | 27/8/20 | 28/8/20 | 31/8/20 | 1/9/20 | 2/9/20 | 3/9/20 | 4/9/20 |
|------|-----------------|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 1    | 110118104001    | ABDUL AZEEZ A         | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 2    | 110118104002    | ABDUL BASITH M A      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /      | /      | /      | /      |
| 3    | 110118104003    | ABDUL HAMEED S        | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 4    | 110118104004    | ABDUL KALAM M         | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | a       | /      | /      | /      | /      |
| 5    | 110118104005    | ABDUL NAWAZ HAMDHAN T | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 6    | 110118104006    | ABDUL THAWAF A        | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 7    | 110118104007    | ABDUL VAQEEL K        | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /      | /      | /      | /      |
| 8    | 110118104009    | AFROZE FATHIMA M S    | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 9    | 110118104011    | AREEB HAMMAD N        | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 10   | 110118104012    | ARUL BALAJI S         | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 11   | 110118104013    | ASMATH HAZEENA A      | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 12   | 110118104014    | ATHIQ ALI N           | /       | /       | a       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /      | /      | a      | /      |
| 13   | 110118104015    | ATHIQR RAHMAN H       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | a      | /      | /      | /      |
| 14   | 110118104016    | DIVYA LAKSHMI V       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 15   | 110118104017    | FAIZAN HAMID P K      | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | a      | /      |
| 16   | 110118104018    | GANESH R              | /       | /       | /       | s       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | a      |
| 17   | 110118104019    | GIRIJESH KUMAR S      | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 18   | 110118104021    | HIMAYUN J             | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 19   | 110118104022    | IRSHAD KHAN A         | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 20   | 110118104023    | SHAIK ALTHAF          | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | a      | /      | /      |
| 21   | 110118104024    | KALANDHAR FASIL K K   | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 22   | 110118104025    | LIYAGATH ALI KHAN M   | /       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /      | /      | /      | /      |
| 23   | 110118104026    | MOHAMED ABRAR M       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /      | /      | /      | /      |
| 24   | 110118104027    | MOHAMED ANEES M A     | /       | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | a       | /       | /       | /      | a      | /      | /      |
| 25   | 110118104028    | MOHAMED ESMAIL A      | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /      | /      | /      | /      |
| 26   | 110118104030    | MOHAMED ISTHIYAAQ A R | /       | /       | /       | /       | a       | /       | /       | /       | /       | /       | /       | /       | a       | /       | /      | /      | /      | /      |
| 27   | 110118104031    | MOHAMED MUHUSIN A     | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | a       | /      | /      | /      | /      |
| 28   | 110118104032    | MOHAMED SAMEER KHAN M | /       | /       | /       | /       | /       | /       | a       | /       | /       | /       | /       | a       | /       | /       | /      | /      | /      | /      |
| 29   | 110118104033    | MOHAMED THAUF HASAN A | /       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /      | /      | a      | /      |



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**CHENNAI 600 055**

|    |              |                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 110118104034 | MOHAMMED WAJITH I          | / | / | / | a | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 31 | 110118104035 | MOHAMMAD RAFI M            | a | / | / | / | / | / | / | / | / | / | / | / | / | a | / | / | / |
| 32 | 110118104036 | MOHAMMED ADNAN A           | / | / | / | / | / | a | / | / | / | / | / | / | / | / | a | / | / |
| 33 | 110118104037 | MOHAMMED JAFFER SATHIQ A S | / | / | / | / | / | / | a | / | / | / | / | / | / | a | / | / | / |
| 34 | 110118104038 | MOHAMMED SHUJATH K         | / | / | / | / | / | a | / | / | / | / | / | / | / | a | / | / | / |
| 35 | 110118104039 | MOHAMMED ZAYD              | a | / | / | / | / | / | a | / | / | / | / | / | / | / | / | / | / |
| 36 | 110118104040 | MOHD AZAM                  | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / | / |
| 37 | 110118104041 | MYDEEN IJAS V M            | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / | / |
| 38 | 110118104042 | NOOR MOHAMED V S           | / | a | / | / | / | / | / | / | / | / | / | / | / | a | / | / | / |
| 39 | 110118104043 | PRIYADHARSHINI R           | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / | / | / |
| 40 | 110118104044 | RAIS AL HIND               | / | / | / | / | / | / | / | a | / | / | / | / | / | / | a | / | / |
| 41 | 110118104046 | RUBESH.S                   | / | a | / | / | / | / | / | / | / | / | / | / | / | / | a | / | / |
| 42 | 110118104047 | SAHANA PARVEEN N           | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 43 | 110118104048 | SAJID ALI M                | / | / | / | / | / | / | / | / | / | a | / | / | / | a | / | / | / |
| 44 | 110118104049 | SAKEEL RAZHEEN S M         | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 45 | 110118104050 | SAMEER AADEIL              | / | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / |
| 46 | 110118104051 | SATHISWARRI M              | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | a |
| 47 | 110118104052 | SEYAD MOHAMMED FAHEEM M Y  | a | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 48 | 110118104053 | SHAIK ZAHID                | / | a | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 49 | 110118104054 | SHAZIYA BEGUM D            | / | / | / | / | a | / | / | / | / | / | / | / | / | / | / | / | / |
| 50 | 110118104055 | SHUAIB.M                   | / | / | / | / | / | / | a | / | / | / | / | / | / | a | / | / | / |
| 51 | 110118104057 | SURIYA Y                   | / | / | a | / | / | / | / | / | / | / | / | / | / | / | a | / | / |
| 52 | 110118104058 | SYED ABU ANWAR             | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / | / | a |
| 53 | 110118104059 | SYED AQUIB SIDDIQ          | / | / | / | / | / | / | / | a | / | / | / | / | / | / | a | / | / |
| 54 | 110118104061 | THENDRAL G                 | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 55 | 110118104062 | UMAR ALI AHAMED K M        | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | a |
| 56 | 110118104063 | YASAR ARAFATH A            | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 57 | 110118104064 | YESHWANTH KUMAR S          | / | / | / | / | a | / | / | / | / | / | / | / | / | / | / | / | / |
| 58 | 110118104301 | ABDUL NAWFAL M             | / | / | / | / | / | a | / | / | / | / | / | / | / | / | a | / | / |
| 59 | 110118104701 | AFRAH FATHIMA S            | a | a | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| 60 | 110118104702 | SYED MOHAMMED SHAKIL       | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | / | / |
| 61 | 110118104703 | ANEEQUR RAHMAN C           | / | / | / | / | / | / | / | / | a | / | / | / | / | / | / | a | / |
| 62 | 110118104704 | SUBHASHINI S               | / | / | a | / | / | / | / | / | / | / | a | / | / | / | / | / | / |



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AVADI, MUTHAPUDUPET  
CHENNAI 600 055

SI.NO:2018001

Mr. Kailas Menon  
Manager,  
Hoist Technologies



Date: 04 -09- 2020

### CERTIFICATE OF COMPLETION

This is to certify that **ABDUL AZEEZ A (Reg.No.110118104001)** of Aalim Muhammed Salegh College of Engineering, Avadi – IAF has successfully completed “**IOS App Development**” Course conducted from 12-08-2020 to 04-09-2020.



Sincerely,

*Nirav*

**Nirav Narayanan,**

HR Team – Hoist Technologies



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

SI.NO:2018002

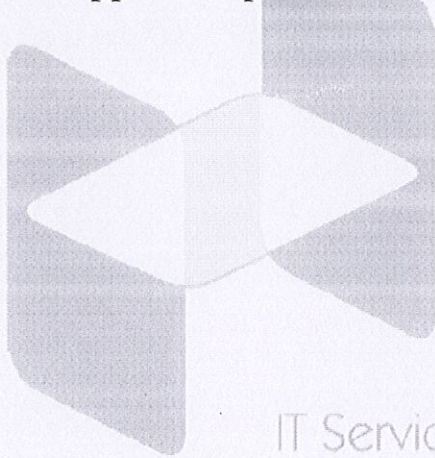
Mr. Kailas Menon  
Manager,  
Hoist Technologies



Date: 04 -09- 2020

### CERTIFICATE OF COMPLETION

This is to certify that **ABDUL BASITH M A (Reg.No.110118104002)** of Aalim Muhammed Salegh College of Engineering, Avadi – IAF has successfully completed “**IOS App Development**” Course conducted from 12-08-2020 to 04-09-2020.



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Sincerely,

A handwritten signature in black ink that reads 'Nirav'.

**Nirav Narayanan,**

HR Team – Hoist Technologies

A handwritten signature in green ink above the text 'PRINCIPAL AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING'.

PRINCIPAL  
AALIM MUHAMMED SALEGH  
COLLEGE OF ENGINEERING

SI.NO:2018003

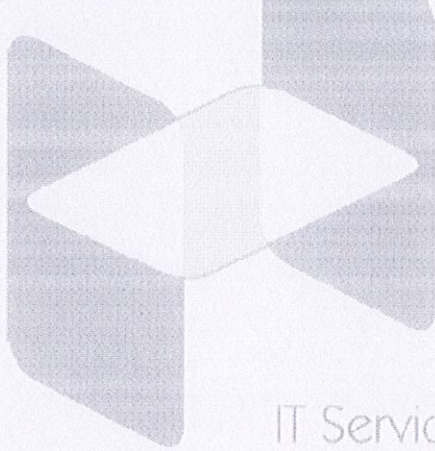
Mr. Kailas Menon  
Manager,  
Hoist Technologies



Date: 04 -09- 2020

### CERTIFICATE OF COMPLETION

This is to certify that **ABDUL HAMEED S (Reg.No.110118104003)** of Aalim Muhammed Salegh College of Engineering, Avadi – IAF has successfully completed “**IOS App Development**” Course conducted from 12-08-2020 to 04-09-2020.



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Sincerely,

A handwritten signature in black ink that reads 'Nirav'.

**Nirav Narayanan,**

HR Team – Hoist Technologies

A handwritten signature in green ink above the text 'PRINCIPAL AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING'.

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COLLEGE OF ENGINEERING

SI.NO:2018004

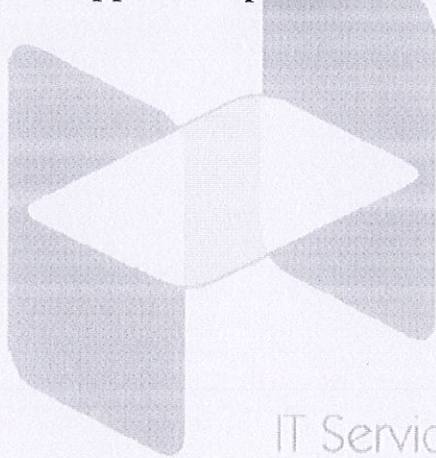
Mr. Kailas Menon  
Manager,  
Hoist Technologies



Date: 04 -09- 2020

### CERTIFICATE OF COMPLETION

This is to certify that **ABDUL KALAM M (Reg.No.110118104004)** of Aalim Muhammed Salegh College of Engineering, Avadi – IAF has successfully completed “**IOS App Development**” Course conducted from 12-08-2020 to 04-09-2020.



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Sincerely,

*Nirav*

**Nirav Narayanan,**

HR Team – Hoist Technologies



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