



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**  
Sponsored by Mohamed Sathak Trust  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai) Siruseri IT Park,  
Egattur, Chennai 603 103

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**DEPARTMENT OF CIVIL ENGINEERING**

**COURSE MODULE**  
**B.E CIVIL ENGINEERING ( REGULATIONS 2013 )**

**ADD ON COURSE**

**REVIT ARCHITECTURE**

**L T P C**  
**1 0 2 2**

**OBJECTIVES:**

- The objective of this course is to impart necessary and practical knowledge of Building Information Modeling (BIM) and Communicate a design idea, structural detailing , concept graphically, visually in 3D Infrastructural Modeling.

**Unit I : Create one floor plan as per Auto cad**

**9**

- Introduction to Revit Architecture – History, Versions
- Exploring GUI , Work spaces, Starting a new project

**Unit II :Drawing Tools**

**9**

- Wall – (Location line , Materials)
- Line, Circle, Arc, Polygon, Rectangle

**Unit III : Create one 2D Floor plan with Doors and Windows with export and Documentation**

**9**

- Components : Door 2D, Window 2D, Furniture 2D, Modify Tools : Import from Auto CAD export as PDF file
- Railings – Add railings, Add railings by sketching, Modify railing, Modify continuous rail.

**Unit IV : Double storey Elevation**

**9**

- Curtain wall (Adding curtain Grids, Mullions)
- Elevation, section, 3D View, Background, Cropping View
- Visibility or Graphic View Templates, Duplicate Views, Visual style filter

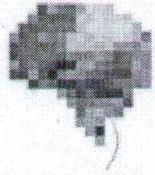
**Unit V :Elevation Tools**

**9**

- Lights – Lighting fixtures
- Sun Settings
- Specifying sun Settings

**TOTAL: 45 HOURS**

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**34, Rajiv Gandhi Road (OMR), Siruseri, IT Park**  
**Chennai-603 103.**



**MINDBOX**  
Evolving Education

# Certificate of Course Completion

This is to certify that ..... **ABDUL AZIZE F** ..... Roll No. .... **311813103001** .....

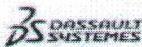
has successfully completed ..... **COURSE ON REVIT ARCHITECTURE** .....

Conducted at ..... **MOHAMED SATHAK A.J COLLEGE OF ENGINEERING** .....

From ..... **11/12/2017 to 15/12/2017** .....

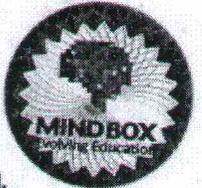
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RAJIV GANDHI ROAD (OMR), SIRUSETTIPAKKAM  
CHENNAI-603 103.  
PRINCIPAL

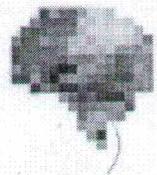
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**Binish Parikh**  
Vice President





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has successfully completed..... **COURSE ON REVIT ARCHITECTURE** .....

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From..... **11/12/2017 to 15/12/2017** .....

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3rd Floor, Gandhi Road (OMR), Sinsari,  
Chennai-600 031 103.

*Binish*

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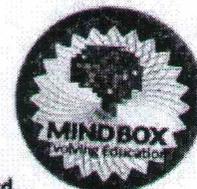


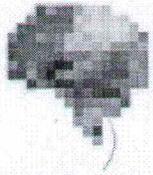
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**Binish Parikh**

Vice President

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has successfully completed..... **COURSE ON REVIT ARCHITECTURE** .....

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From..... **11/12/2017 to 15/12/2017** .....

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Principal  
Kattappadi Road  
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This is to certify that AHAMED RIYAZ Roll No. 311813103004

has successfully completed COURSE ON REVIT ARCHITECTURE

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From 11/12/2017 to 15/12/2017

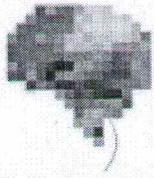
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has successfully completed..... **COURSE ON REVIT ARCHITECTURE** .....

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**AHMED JASSIM J**

**311813103006**

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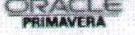
has successfully completed..... **COURSE ON REVIT ARCHITECTURE**.....

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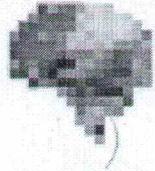


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Vice President





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**ALEN LITTO Y**

**311813103007**

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has successfully completed..... **COURSE ON REVIT ARCHITECTURE**.....

Conducted at..... **MOHAMED SATHAK A.J COLLEGE OF ENGINEERING**.....

From..... **11/12/2017 to 15/12/2017**.....

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Principal  
Srinagar, I.T.I. Road  
Gandhinagar, 603 035  
Chennai

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This is to certify that ..... **ARUN KUMAR A** ..... Roll No. .... **311813103008** .....

has successfully completed ..... **COURSE ON REVIT ARCHITECTURE** .....

Conducted at ..... **MOHAMED SATHAK A.J COLLEGE OF ENGINEERING** .....

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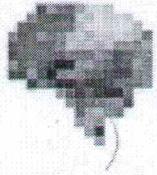
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This is to certify that ASARUDEEN AHAMED A Roll No. 311813103009

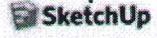
has successfully completed COURSE ON REVIT ARCHITECTURE

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**Binish Parikh**  
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This is to certify that..... **BADAPONDARA KRISHNA** ..... Roll No. **311813103010**

has successfully completed..... **COURSE ON REVIT ARCHITECTURE** .....

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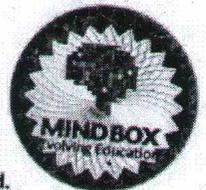
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Date:02/02/2018

Ref:01/MSAJCE/COMMON CIRCULAR/EVEN/2017-2018

**CIRCULAR**

Our department is organizing a “ADD ON” on Python Full Stack during 05/02/2018 to 12/02/2018. The II Year Students from Computer Science and Engineering and Information Technology, register with Mr.A.Syed Ismail AP/CSE on or before 05/02/2018.

The session schedule is as follows,

**Timing: 1.30 PM to 3.30 PM**

**Resource Person: Mr.A.Syed Ismail**

**AP/CSE**

**Venue: Computer Lab II**

  
**HOD**

**COPY TO:**

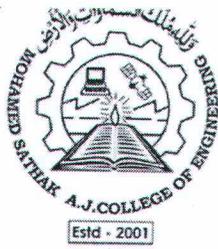
Dept. of CSE & IT

II Year CSE & IT



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30, RAJIV GANDHI Road (OMR), Siruseri, IT Park  
Chennai-603 103.



# MOHAMED SATHAK

## A.J. COLLEGE OF ENGINEERING

# CERTIFICATE

## of Completion

This Certificate is awarded to

**PARANTHAMAN M**

for successfully completing the course of  
**PYTHON Full Stack**

On February 12 th, 2018

Course Duration: 40 Hours



**Mr.A. Syed Ismail**

Head -Training

**Mr. K. Suresh**

Head of the Department/CSE

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Siruseri IT Park, Egattur, Chennai 603 103

Ref: MSAJCE / PO 105 / 2017-2018

Date: 8.2.2017

CIRCULAR

This is to inform the following faculty members to attend the meeting on 9.2.2017 in principal chamber to design the curriculum for the ADD-ON program on “Introduction to PLC and SCADA”.

S.NO	Faculty Name	Designation	Signature
1	DR.R.Murugan	Associate Professor	
2	Mr.S.Syed Muzafar Ahmed	Assistant Professor	
3	Mr. K.A. Mohamed Shahin Gani	Assistant Professor	
4	Mr. S. Elam Cheren	Assistant Professor	

Principal

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## A J COLLEGE OF ENGINEERING

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34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Siruseri, Chennai - 603103

Department of  
Electrical and Electronics Engineering

*Organize*

A Course  
on

**INTRODUCTION TO PROGRAMMING LOGIC  
CIRCUIT (PLC) & SUPERVISORY CONTROL  
AND DATA ACQUISITION (SCADA)**

Co-Ordinator:  
Mr.K.A.Mohamed Shahin Gani, AP/EEE

+91-9940004500/044-27470024

msajce.office@gmail.com

www.msajce-edu.in



## MOHAMED SATHAK A J COLLEGE OF ENGINEERING

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Siruseri IT Park, Egattur, Chennai 603 103

### DEPARTMENT OF EEE

#### Value Added Course Summary 2017-2018

**Course code and Name** : Introduction to PLC and SCADA  
**Couse Duration** : 45 hours  
**Years offered** : III Year & IV Students 2017-2018  
**Course Instructors** : Mr.K.A.Mohamed Shahin Gani

#### Course Outcome's :

The Students will be outfitted with able understand the fundamental of PLC. Program a PLC with different logical languages. Various industrial applications of PLC's are studied. Able to understand the need of computer in Automation. Understand the basics of data conversion and data acquisition.

**Course Type** : Self Framed Value Added Course  
Theory and Practical with Hands on Sessions

**Assessment Mode** : Attendance : 45 Hours

Number of Participants : 51

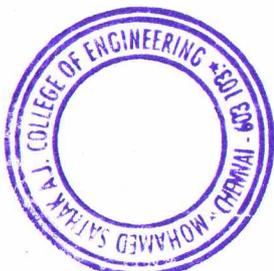
Scheme of Exam : Offline

Date of Exam:26/8/2017

  
Course Coordinator

  
HoD





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No. 7, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.

This is to Certify that Mr. / Ms. M. MOHIDEEN ABDUL KADER  
of Mohamed Sathak A J College of Engineering has  
participated in **“INTRODUCTION TO PLC & SCADA”**  
organized by EmBware Technologies & Components held  
on **21/08/2017 to 26/08/2017**



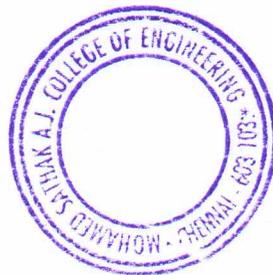
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**PRINCIPAL**  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EG. I I L R 603 103  
KANCHIPURAM DT

*[Handwritten Signature]*  
**Mr. R. Sudhakaran**

Proprietor, EmBware Technologies & Components

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This is to Certify that Mr. / Ms. **A.R. ABDUL SALEEM**  
of Mohamed Sathak A J College of Engineering has  
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on **21/08/2017 to 26/08/2017**



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KANCHIPURAM DT

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Mr. R. Sudhakaran  
Proprietor, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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KANCHIPURAM DT

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**Mr. R. Sudhakaran**  
EmBware Technologies & Components

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KANCHIPURAM DT

**Mr. R. Sudhakaran**

Director, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
EGATPUR 603 103  
KANCHIPURAM DT

*(Handwritten Signature)*  
**Mr. K. Sudhakaran**  
Proprietor, EmBware Technologies & Components

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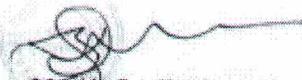
  
PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR 603 03  
KANCHIPURAM DT

  
Mr. R. Sudhakaran  
Proprietor, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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Proprietor, EmBware Technologies & Components

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Mr. K. Sudhakaran  
Proprietor, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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KANCHIPURAM DT

  
Mr. R. Sudhakaran  
Proprietor, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**  
**KANCHIPURAM DT**

A handwritten signature in black ink, appearing to be "Mr. R. Sudhakaran".

**Mr. R. Sudhakaran**  
Proprietor, EmBware Technologies & Components

**CERTIFICATE OF ACHIEVEMENTS**

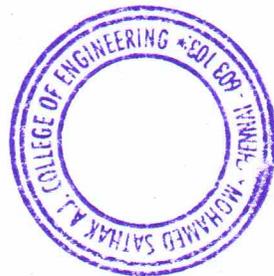
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of Mohamed Sathak A J College of Engineering has  
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EG - 600 010,  
KANCHIPURAM DT

*[Handwritten Signature]*  
**Mr. R. Sudhakaran**  
Proprietor, EmBware Technologies & Components

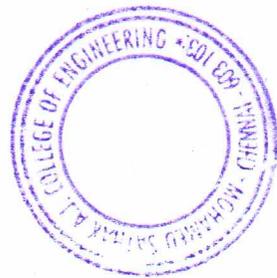
This is to Certify that Mr. / Ms. **H.MOHAMED IBRAHIM**  
of Mohamed Sathak A J College of Engineering has  
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**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
R. B. ...  
K. ...

*[Handwritten Signature]*  
**Mr. R. Sudhakaran**  
Proprietor, EmBware Technologies & Components

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of Mohamed Sathak A J College of Engineering has  
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*K.S. Iqlas Ahamed*  
**PRINCIPAL**  
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**EGATTUR 603 103**  
**KANCHIPURAM DT**

*Mr. R. Sudhakaran*  
**Mr. R. Sudhakaran**  
Proprietor, EmBware Technologies & Components

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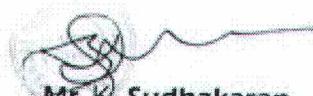
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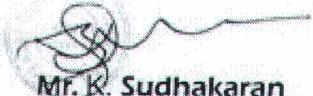
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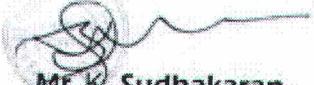
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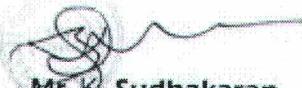
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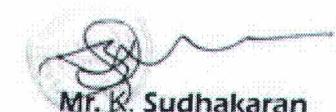
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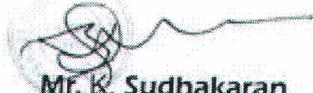
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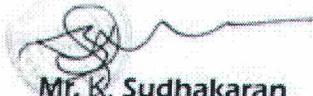
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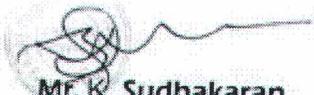
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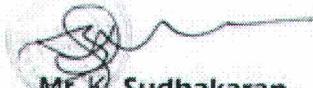
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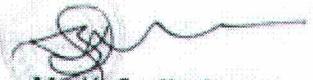
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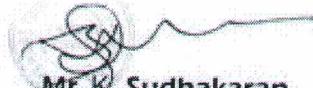
CERTIFICATE OF ACHIEVEMENTS

**EmBware**  
TECHNOLOGIES  
& COMPONENTS

This is to Certify that Mr. / Ms. HASHIM MD. ZABRAN N.F  
of Mohamed Sathak A J College of Engineering has  
participated in **"INTRODUCTION TO PLC & SCADA"**  
organized by EmBware Technologies & Components held  
on **21/08/2017 to 26/08/2017**



*MS*  
PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603 003  
KANCHIPURAM DT



Mr. K. Sudhakaran

Proprietor, EmBware Technologies & Components



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Siruseri IT Park, Egattur, Chennai 603 103

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**DEPARTMENT OF MECHANICAL ENGINEERING**

Ref:MSAJCE/VAC01MECH/2017-2018

Date: 10.07.2017

**CIRCULAR**

Our department is organizing a "ADD ON " on CAD Modeling using CATIA V5 during 19.06.2017 to 28.06.2017.. The following IV Year Mechanical Students register with Mr.S.Bharath AP/MECH on or before 15.06.2017.

The session schedule is as follows

**Timing: 9.00 AM to 1.00 PM**

**Location : CAD Laboratory**

**HoD**

Head of the Department  
Department of Mechanical Engineering  
Mohamed Sathak A.J.College of Engineering  
Egattur, Chennai - 603 103.

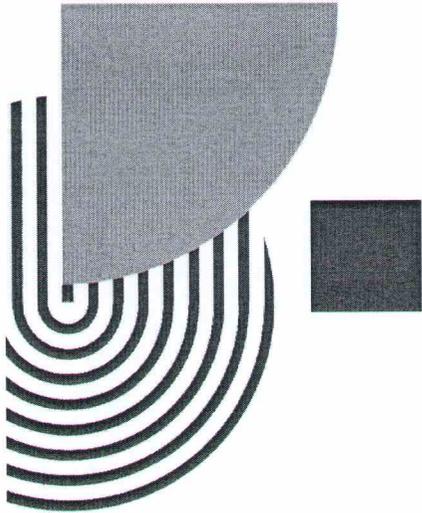
Copy To:

Dept. of Mechanical

IV Year Mechanical



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**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.



**Mohamed Sathak  
A.J. College of Engineering**

ISO 9001:2008 Certified Institution

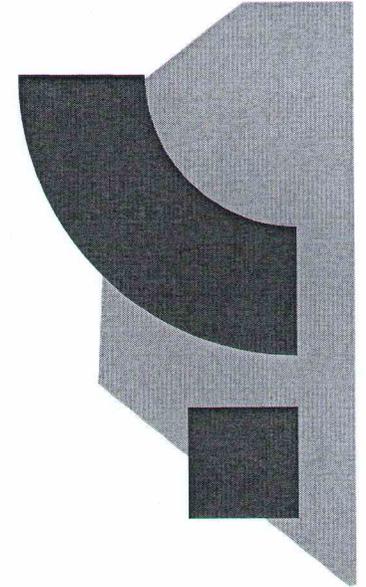
Rajiv Gandhi Salai (OMR), Inside Sipcot IT Park, Siruseri, Chennai 603103

# CERTIFICATE

## of Completion

Proudly presented to

**Ahamed Ahil Shaik A**



---

has successfully completed the professional training program on  
**CAD Modeling using CATIA V5**

Course Completed on : 28-JUN-2017

Course Duration : 45 Hours

*S. Bharath*  
**Mr.S.BHARATH**  
Head-Training



*Principal's Signature*

**PRINCIPAL**

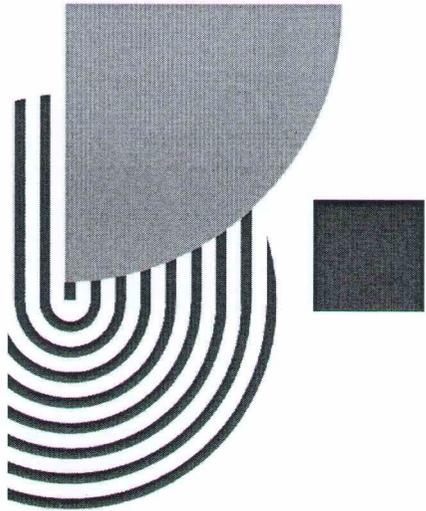
**MUHAMMAD SATHAK A.J. COLLEGE OF ENGINEERING**  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai 603 103

*Mr. Ganesamoorthy's Signature*

**Mr. GANESAMOORTHY**

Head of the Department

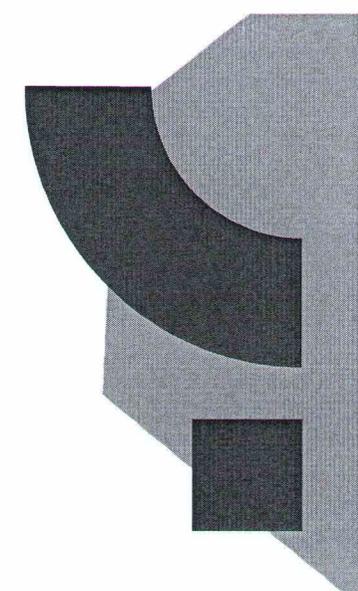




Mohamed Sathak  
A.J. College of Engineering

ISO 9001:2008 Certified Institution

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# CERTIFICATE

of Completion

Proudly presented to

Ajithkumar R S

---

has successfully completed the professional training program on  
**CAD Modeling using CATIA V5**

Course Completed on : 28-JUN-2017

Course Duration : 45 Hours

*S. Bharath*

**Mr.S.BHARATH**

Head-Training



*[Handwritten signature in blue ink]*

**PRINCIPAL**

**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park

*[Handwritten signature in black ink]*

**Mr.GANESAMOORTHY**

Head of the Department



Mohamed Sathak  
A.J. College of Engineering

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Rajiv Gandhi Salai (OMR), Inside Sipcot IT Park, Siruseri, Chennai 603103

# CERTIFICATE

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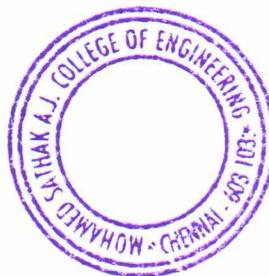
Al Bahir A

has successfully completed the professional training program on  
CAD Modeling using CATIA V5

Course Completed on : 28-JUN-2017

Course Duration : 45 Hours

*S. Bharath*  
**Mr.S.BHARATH**  
Head-Training



*Ushar*

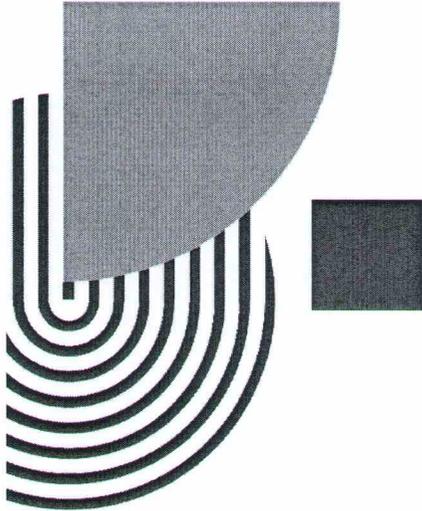
**PRINCIPAL**

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34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103

*Ganesamoorthy*

**MR.GANESAMOORTHY**

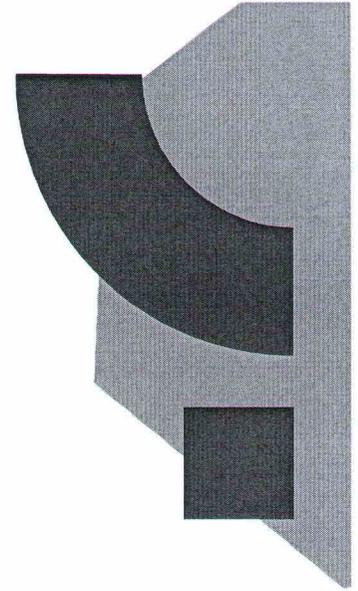
Head of the Department



Mohamed Sathak  
**A.J. College of Engineering**

ISO 9001:2008 Certified Institution

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# CERTIFICATE

of Completion

Proudly presented to

Anand A R

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has successfully completed the professional training program on  
**CAD Modeling using CATIA V5**

Course Completed on : 28-JUN-2017

Course Duration : 45 Hours

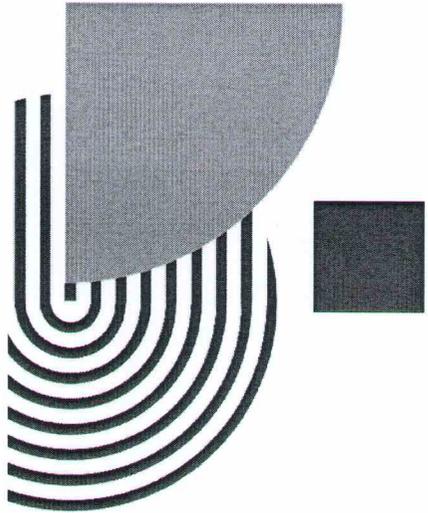
*S. Bharath*  
**Mr.S.BHARATH**  
Head-Training



*Handwritten signature in blue ink*

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**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.

**Mr.GANESAMOORTHY**  
Head of the Department



Mohamed Sathak  
A.J. College of Engineering

ISO 9001:2008 Certified Institution

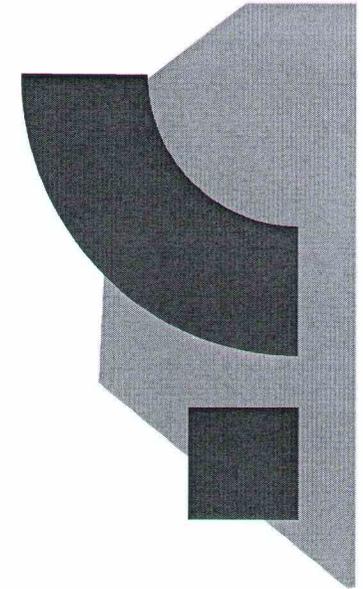
Rajiv Gandhi Salai (OMR), Inside Sipcot IT Park, Siruseri, Chennai 603103

# CERTIFICATE

of Completion

Proudly presented to

Arun A R



has successfully completed the professional training program on  
**CAD Modeling using CATIA V5**

Course Completed on : 28-JUN-2017

Course Duration : 45 Hours

*S. Bharath*  
**Mr.S.BHARATH**  
Head-Training



*Ganesamoorthy*  
**Mr.GANESAMOORTHY**  
Head of the Department

**PRINCIPAL**  
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Chennai-603 103.



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Siruseri IT Park, Egattur, Chennai 603 103

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**DEPARTMENT OF MECHANICAL ENIGINEERING**

Ref:MSAJCE/VAC02MECH/2017-2018

Date: 10.07.2017

**CIRCULAR**

Our department is organizing a "ADD ON " on CNC Programming during 19.06.2017 to 27.06.2017.. The following III Year Mechanical Students register with Mr.Venkat Raman AP/MECH on or before 15.06.2017.

The session schedule is as follows

**Timing: 9.00 AM to 1.00 PM**

**Location : ANSYS Laboratory**

**HoD**

Head of the Department  
Department of Mechanical Engineering  
Mohamed Sathak A.J.College of Engineering  
Egattur, Chennai - 603 103.

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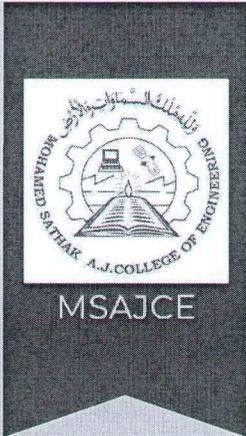
Dept. of Mechanical

IV Year Mechanical



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**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
34 Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.



# CERTIFICATE

of COMPLETION

This Certificate presented to

**Aabith Hussain J**

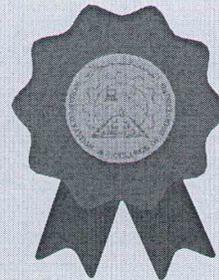
for completing the course on

## CNC PROGRAMMING

Course Completed on: 27-Jun-2017

Course Duration : 45 Hours

*Venkat Raman.*  
Mr.S.VENKAT RAMAN  
Head-Trainer



*Ganesamoorthy*  
Mr.GANESAMOORTHY  
Head of The Department

*Mohamed Sathak A.J.*

PRINCIPAL  
MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.





MSAJCE

# CERTIFICATE

of COMPLETION

This Certificate presented to

**Abdul Raziq A**

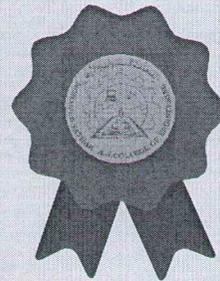
for completing the course on

## CNC PROGRAMMING

Course Completed on: 27-Jun-2017

Course Duration : 45 Hours

*Venkat Ramani*  
Mr.S.VENKAT RAMAN  
Head-Trainer

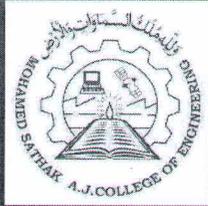


*Ganesamoorthy*  
Mr.GANESAMOORTHY  
Head of The Department

*Principal*

**PRINCIPAL**  
**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-503 103.





MSAJCE

# CERTIFICATE

of COMPLETION

This Certificate presented to

**Abishanth A**

for completing the course on

## CNC PROGRAMMING

Course Completed on: 27-Jun-2017

Course Duration : 45 Hours

*Venkat Raman*  
Mr.S.VENKAT RAMAN  
Head-Trainer

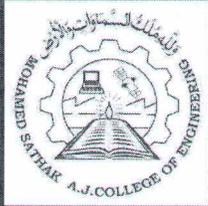


*Ganesamoorthy*  
Mr.GANESAMOORTHY  
Head of The Department

*[Signature]*

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34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.





MSAJCE

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of COMPLETION

This Certificate presented to

**Adhithyan S**

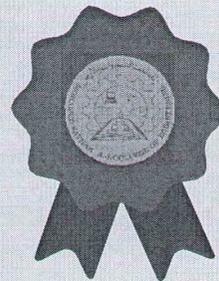
for completing the course on

## CNC PROGRAMMING

Course Completed on: 27-Jun-2017

Course Duration : 45 Hours

*Venkat Raman*  
Mr.S.VENKAT RAMAN  
Head-Trainer



*Ganesamoorthy*  
Mr.GANESAMOORTHY  
Head of The Department

*Muhammed Sathak*

PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.





MSAJCE

# CERTIFICATE

of COMPLETION

This Certificate presented to

**Ahamed Asmi S**

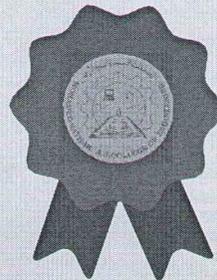
for completing the course on

## CNC PROGRAMMING

Course Completed on: 27-Jun-2017

Course Duration : 45 Hours

*Venkat Raman.*  
Mr.S.VENKAT RAMAN  
Head-Trainer



*Ganesamoorthy*  
Mr.GANESAMOORTHY  
Head of The Department

*Mohamed Sathak A.J.*

**PRINCIPAL**  
**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
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Chennai-603 103.





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Siruseri IT Park, Egattur, Chennai 603 103

Ref: MSAJCE / PO 105 / 2017-2018

Date: 8.2.2017

CIRCULAR

This is to inform the following faculty members to attend the meeting on 9.2.2017 in principal chamber to design the curriculum for the ADD-ON program on “**PC Hardware & Network Troubleshooting problems**”.

S.NO	Faculty Name	Designation	Signature
1	Dr. S. Sivasubramanian	Professor	
2	Dr. K. Manivannan	Professor	
3	Mrs. V.Subapriya	Assistant Professor	
4	Ms.S.Nishanthi	Assistant Professor	

Principal

PRINCIPAL  
MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.

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34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.



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Siruseri IT Park, Egattur, Chennai 603 103

**DEPARTMENT OF SCIENCE & HUMANITIES**

Ref:01/MSAJCE/S&H/EVEN/2017-2018

Date:22/02/2018

**CIRCULAR**

It is hereby informed to all the 1<sup>st</sup> year students that the Value-Added Course“**PC Hardware & Network Troubleshooting Problems**” during 05/03/2018 to 11/03/2018. All are advised to attend the training course without fail.

The session schedule is as follows

**Timing: 9.00 AM to 3.30 PM**

**Resource Person: Mrs. V. Subapriya**

<b>Venue</b>	4 <sup>th</sup> Floor Auditorium	TF- 403	TF- 306	TF- 411
<b>Faculties</b>	Mrs.V.Subapriya	Mrs. V. Indumathi	Mr.R.Vigneshwar	Mrs. J. Vimala

  
**HoD**

COPY TO: S&H

Dept. of S&H

I Year

  
PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.