

# Add on Course on Architecting with Google Compute Engine

File No.HEDN-C4/178/2018-HEDN



## GOVERNMENT OF KERALA

### Abstract

Higher Education Department - Additional Skill Acquisition Programme - Setting up of Advanced Skill Development Centres in Engineering Colleges - In principal approval sanctioned - Orders issued.

### HIGHER EDUCATION (C) DEPARTMENT

G.O.(Rt)No.189/2019/HEDN Dated,Thiruvananthapuram, 04/02/2019

Read DDFS file 1711/2018 from ASAP

### ORDER

1. Chief Executive Officer, Additional Skill Acquisition Programme as per the paper read above has requested to accord approval for setting up Advanced Skill Development Centres in the following Engineering Colleges, to increase the chances of employability of students, based on the interest shown by the Colleges.

SINO	Name of the Institution	Type	District
1	Mar Athanasius College	Aided	Ernakulam
2	TKM College of Engineering	Aided	Kollam
3	Govt Engg College Idukki	Government	Idukki
4	Govt Engg College Kozhikode	Government	Kozhikode
5	Govt Engg College Thrissur	Government	Thrissur



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6	Govt Engg College Sreekrishnapuram, Palakkad	Government	Palakkad
7	Government Engg college, Barton hill	Government	Trivandrum
8	College of Engg Trivandrum	Government	Trivandrum
9	Rajiv Gandhi Institut of Technology	Government	Kottayam
10	Govt Engg College, Wayanad	Government	Wayanad
11	Govt College of Engg Kannur	Government	Kannur
12	College of Engineering Kalloopara	Govt Supported	Pathanamthitta
13	College of Engineering Pathanapuram	Govt Supported	Kollam
14	College of Engineering Chenganoor	Govt Supported	Alappuzha
15	College of Engineering Kidangoor	Govt Supported	Kottayam
16	LBS College	Govt Supported	Kasargod
17	College of Engineering Karunagapally	Govt Supported	Kollam
18	College of Engineering & Management Punnapra	Govt Supported	Alappuzha
19	College of Engineering Muttathara	Govt Supported	Trivandrum
20	Sree Chitra Thirunal College of Engineering	Govt Supported	Trivandrum
21	College of Engineering Munnar	Govt Supported	Idukki
22	College of Engineering Trikaripur	Govt Supported	Kasargod
23	College of Engineering Poonjar	Govt Supported	Kottayam
24	Model Engineering College Thrikakkara	Govt Supported	Ernakulam
25	College of Engineering Perumon	Govt Supported	Kollam
26	Ahaliya School of Engg & Technology	Self-Financing	Palakkad
27	Lourde Matha College of Engineering	Self-Financing	Trivandrum
28	Malabar College of Engg and Technology	Self-Financing	Thrissur
29	Mangalam College of Engg	Self-Financing	Kottayam
30	Mar Baselios Institute of Technology and Science	Self-Financing	Ernakulam
31	Rajadhani Institute of Engineering and Technology	Self-Financing	Trivandrum
32	Vimal Jyothi Engineering College	Self-Financing	Kannur
33	M Dasan Institute of Technology	Self-Financing	Kozhikode
34	Federal Institute of Science And Technology	Self-Financing	Ernakulam
35	Muslim Association College of Engg	Self-Financing	Trivandrum



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36	Valia Koonambaikulathamma College of Engineering & Technology	Self-Financing	Trivandrum
37	IES College of Engineering	Self-Financing	Thrissur
38	Sarabhai Institute of Science and Technology	Self-Financing	Trivandrum
39	Mar Baselios College of Engineering and Technology	Self-Financing	Trivandrum
40	Sreepathy Institute of Management And Technology	Self-Financing	Palakkad
41	Adi Shankara Institute of Engineering and Technology	Self-Financing	Ernakulam
42	St. Joseph's College of Engineering and Technology	Self-Financing	Kottayam
43	Christ College of Engineering	Self-Financing	Thrissur
44	Saintgits College of Engineering	Self-Financing	Kottayam
45	Gurudeva Institute of Science And Technology	Self-Financing	Kottayam
46	Trinity College Of Engineering	Self-Financing	Trivandrum
47	Sree Buddha College of Engineering	Self-Financing	Alappuzha
48	Sree Narayana Institute of Technology	Self-Financing	Pathanamthitta
49	Sri Vellappally Natesan College of Engineering	Self-Financing	Alappuzha
50	Vidya Academy of Science & Technology	Self-Financing	Thrissur
51	Sahrdaya College of Engineering and Technology	Self-Financing	Thrissur
52	MES College of Engineering & Technology	Self-Financing	Ernakulam
53	KMEA Engineering College	Self-Financing	Ernakulam
54	Toc H Institute of Science and Technology	Self-Financing	Ernakulam
55	Cochin college of Engineering and Technology	Self-Financing	Malappuram
56	ILM College of Engineering and Technology	Self-Financing	Ernakulam
57	AL-AZHAR College of Engineering & Technology	Self-Financing	Idukki
58	MES College of Engineering	Self-Financing	Malappuram
59	Rajagiri School of Engineering & Technology	Self-Financing	Ernakulam



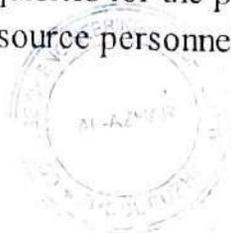
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60	Baselios Mathews II College of Engineering	Self-Financing	Kollam
61	Younus College of Engineering & Technology	Self-Financing	Kollam
62	MES Institute of Technology & Management	Self-Financing	Kollam
63	Thangal Kunju Musaliar Institute of Technology	Self-Financing	Kollam
64	Mohandas College of Engineering & Technology	Self-Financing	Trivandrum
65	Amal Jyothi College of Engineering	Self-Financing	Kottayam
66	UKF College of Engineering and Technology	Self-Financing	Kollam

2. Courses are proposed in the ASDCs such as Data Analytics, Cloud Computing, Robotics, Artificial Intelligence and Machine Learning and a Communication and Life Skill Module.

3. Government have examined the matter in detail and are pleased to accord in principle approval for setting up Advanced Skill Development Centres in the above Engineering Colleges, to increase the chances of hiring of the students or enable them to start ventures of their own subject to the following conditions:

- i. All courses offered by ASDCs shall be aligned with NSQF skill levels required for engineering graduates. The focus shall be on imparting various skill sets required for various job sectors rather than conceptual delivery of theoretical or mathematical subjects. Training partners like National Institute of Electronics & Information Technology (NIELIT) that offer level 5, Level 6 and level 7 courses for polytechnic and engineering students and companies offering special courses may be chosen and MOU signed with them. The number and nature of job/internships offers should also be made available to the students.
- ii. Each course shall have a mandatory internship as part of it.
- iii. The College shall make available the video suites installed by the Skill Development Platform Kerala in the College or labs for conduct of the course
- iv. The details regarding prerequisites for the proposed course, course fee, the credentials of the resource personnel handling the courses



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along with the academic calendar shall be published before the commencement of every course.

- v. An agreement shall be signed with the respective colleges regarding the investment/facilities required, fee to be collected from the students and sharing of revenue.
- vi. Communication and Life Skill module proposed by ASAP shall be conducted so as to impart soft skills such as willingness and capability to acquire new knowledge, critical thinking and problem solving, interpersonal communication including English assessment and certification if necessary and team building skills which are required to increase the chances of employability.

(By order of the Governor)  
**DR. USHA TITUS**  
**PRINCIPAL SECRETARY**

To:  
The Chief Executive Officer, ASAP  
The Principals Concerned  
The Accountant General(A&E/Audit), Kerala, Thiruvananthapuram  
Stock File/Office copy.

Forwarded /By order

Section Officer



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# AL-AZHAR COLLEGE OF ENGINEERING AND TECHNOLOGY

COMPUTER SCIENCE AND  
ENGINEERING IN ASSOCIATION  
with

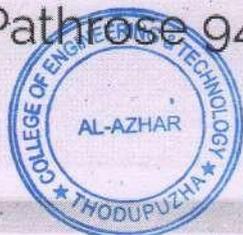
ASAP, Govt of Kerala and IQAC

ADD-ON COURSE ON

## ARCHITECTING WITH GOOGLE COMPUTE ENGINE

30-8-2019 to 28-2-2020

Contact: Anju Pathrose 9447724688



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# ARCHITECTING WITH GOOGLE COMPUTE ENGINE(Google ACE)

## **SYLLABUS**(40 hours)

### **Module 1**(8 hours)

#### Google Cloud Platform Fundamentals: Core Infrastructure

##### Introducing Google Cloud Platform:

Welcome to GCP Fundamentals. What is cloud computing?. How did we get here?. Every company is a data company.GCP computing architectures. The Google network. GCP regions and zones.

##### Virtual Machines in the Cloud:

Virtual Private Cloud (VPC) Network, Compute Engine, Important VPC capabilities, Environmental responsibility, Google offers customer-friendly pricing, Open APIs.

### **Module 2**(8 hours)

#### Essential Google Cloud Infrastructure: Foundation

##### Introduction to GCP

Using GCP, Console and Cloud Shell, Getting Started with Google Cloud Platform and Qwiklabs,Console and Cloud Shell, Infrastructure Preview, Infrastructure Preview

##### Virtual Networks

Virtual Private Cloud, IP addresses, Mapping IP addresses, Routes and firewall rules,Pricing,VPC Networking,Common network designs, Implement Private Google Access and Cloud NAT

### **Module 3**(8 hours)

#### Essential Google Cloud Infrastructure: Core Services

##### Cloud IAM

Organization,Roles,Custom roles,Members,Service Accounts,Cloud IAM best practices,Cloud IAM,Getting Started with Google Cloud and Qwiklabs,Cloud IAM

##### Storage in the Cloud:

Cloud Storage, Cloud Storage interactions, Google Cloud Bigtable, Google Cloud SQL, and Google Cloud Spanner, Google Cloud Data store,Comparing Storage Options.

### **Module 4**(8 hours)

#### Elastic Google Cloud Infrastructure: Scaling and Automation

##### Interconnecting Networks

Cloud VPN, Virtual Private Networks (VPN),Getting Started with Google Cloud and Qwiklabs,Virtual Private Networks (VPN),Cloud Interconnect and Peering,Cloud Interconnect,Peering,Choosing a connection

##### Managed Services



  
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BigQuery, Cloud Dataflow, Cloud Dataprep, Cloud Dataproc, Cloud Dataproc, Module Review, Deployment Manager, Automating the Infrastructure of Networks Using Deployment Manager.

## Module 5(8 hours)

### Reliable Google Cloud Infrastructure: Design and Process

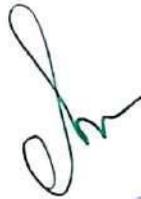
#### Defining Services

Requirements Analysis, and Design, Activity Intro: Analyzing your case study, Activity Review: Analyzing your case study, KPIs and SLIs, SLOs and SLAs, Activity Intro: Defining SLIs and SLOs, Activity Review: Defining SLIs and SLOs

#### Microservice Design and Architecture

Microservices, Microservices Best Practices, Activity Intro: Designing microservices for your application, Activity Review: Designing microservices for your application



  
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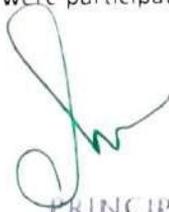
# Google ACE Study Jam

@Al-Azhar CET on 14-02-2020



Keynote Address by Mr. Akshit Jain from Google. Faculties and students and students of Al-Azhar CET, Govt. Polytechnic College Muttom and Govt. Polytechnic College Purapuzha were participated



  
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5 Courses

Google Cloud Platform  
Fundamentals: Core  
Infrastructure

Essential Google Cloud  
Infrastructure: Foundation

Essential Google Cloud  
Infrastructure: Core  
Services

Elastic Google Cloud  
Infrastructure: Scaling and  
Automation

Reliable Google Cloud  
Infrastructure: Design and  
Process

Google Cloud

Oct 19, 2020

**AMINA SHAHID**

has successfully completed the online non-credit Specialization

# Architecting with Google Compute Engine

In this five-course accelerated specialization, learners explored and deployed solution elements, including infrastructure components such as networks, systems, and applications services using Google Cloud Platform, with a focus on Compute Engine.

*Google Cloud Training*

Google Cloud Training

This online specialization certificate does not verify any work or material from courses taught on campus, but the included course learning objectives of campus courses that qualify for this online specialization do not constitute enrollment at this university. This certificate does not confer university grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:  
[coursera.org/verify/specialization/PMDBHSD5XPYA](https://coursera.org/verify/specialization/PMDBHSD5XPYA)



PRINCIPAL

Head of the Dept of Engineering & Technology

# On-the Job Training Programme-HTML,Java Script and

## MEMORANDUM OF UNDERSTANDING (MoU)

We hereby agree to hold **On-The-Job Training** programme for Vocational Higher Secondary Education(VHSE) **Computer Science- II Year** students from 05/11/2019 for a period of **12 days** at **Al-Azhar College of Engineering and Technology**. The centre's facilities will be extended to the trainees in all respect for their hand-in experience. The required material and consumables will be supplied to the trainees. The trainees will be permitted to handle the centre's tools & instruments. They will be evaluated and certificates will be awarded at the end of the training.

This MoU is jointly signed by Principal, Al-Azhar College of Engineering and Technology, Thodupuzha and the Principal Govt. VHSS Thodupuzha, Idukki.



Signature of the Principal  
Al-Azhar College of Engineering and Technology  
Thodupuzha

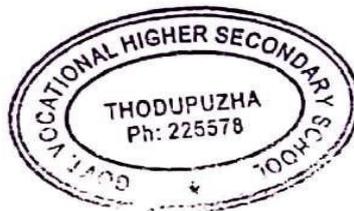
Al-Azhar College of Engineering & Technology

Dated - 04/11/2019



Signature of the Principal  
Govt. VHSS, Thodupuzha  
Idukki

PRINCIPAL  
GOVT. V.H.S.S.  
THODUPUZHA



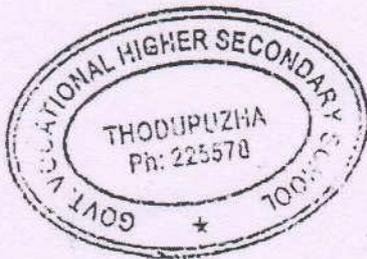
Office of the Principal  
Govt. VHSS  
Thodupuzha  
Dated: 04.11.2019

From  
The principal  
To  
The Principal  
Al-Azhar College of Engineering and Technology  
Thodupuzha

Sir,  
The list of students who are directed to participate in the On the Job Training programme (II Year) in your esteemed institution is attached herewith.

SL. NO	NAME OF STUDENT
1	ABITH V S
2	ALTHAF SHAHUL
3	ALTHAF SHAJI
4	ANANDHU MANOJ
5	ASWIN. M. J
6	JISIN MATHEW
7	JOEL C ABRAHAM
8	JOMY JOY
9	MUHAMMED SABEEL C.K
10	ROHITH R KRISHNA
11	SALMAN SHEREEF
12	YEDHU KRISHNAN K R
13	ALFIYA E S
14	ANJANA SANTHOSH
15	BEEMA DILEEP
16	BEEMA. K S
17	FATHIMA RAHIM
18	MUBEENA SUDHEER
19	RESMI BABU
20	SOUMYA SALIM

Thanking You



Principal  
Principal  
GOVT. V.H.S.S.  
THODUPUZHA





**AL-AZHAR**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

(Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE)

Perumpillichira P.O., Thodupuzha, Idukki Dt., Kerala - 685 605

www.alazharthodupuzha.org, acettdpa@gmail.com

Office : 04862-229193

Chairman : 9447033439

Manager : 9747410065

Administrator : 9746144555

Fax : 04862-221630

Ref.No:

Date .....

Register No:1905726

## Certificate

*This is to certify that **JISIN MATHEW** second year Computer Science and Information Technology student of Government Vocational Higher Secondary School, Thodupuzha has successfully completed twelve days of training programme in HTML, Java Script and PHP in connection with the 'On the Job Training Programme 2019-20' organized by the Vocational Higher Secondary Department.*

Thodupuzha

30-11-2019



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**AL-AZHAR GROUP OF INSTITUTIONS**

● College of Arts & Science ● Dental College ● Public School ● Law College ● Teachers Training Institute (T.T.I.) ● Pharmacy College  
● Polytechnic College ● Training College (B.Ed.) ● College of Paramedical Science ● College of Engineering & Technology ● Medical College



*Sh*

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On-the Job Training Programme-Civil Construction Technology

**SNM VOCATIONAL HIGHER SECONDARY SCHOOL  
VANNAPPURAM**

VANNAPPURAM P.O., THODUPUZHA, IDUKKI 685 607  
Phone No: 04862 246434, e-mail:snmvhssvannappuram@vhsethrissur.org

**MEMORANDUM OF UNDERSTANDING (MOU)**

We hereby agree to hold On-the Job Training Programme for Vocational Higher Secondary Education,

..... CIVIL CONSTRUCTION TECHNOLOGY ..... #11  
year students from ..... 22<sup>nd</sup> NOVEMBER 2019 to  
..... 26<sup>th</sup> November 2019 ..... for a period of ..... 5 ..... Days at  
..... D.L. DZHAR. COLLEGE OF ENGINEERING AND TECHNOLOGY

The centre's facilities will be extended to the trainees in all respect for their hand-in experience. The required materials and consumables will be supplied to the trainees. The trainees will be permitted to handle the centre's tools and instruments. They will be evaluated and certificates will be awarded at the end of the training.

This Memorandum of Understanding is jointly signed by ..Principal, Al-Azhar College of Engg. & Tech...... and the Principal, SNM VHSS Vannappuram

Dated this : 14<sup>th</sup> ..... day of ..November..2019

Signature of Head of the institution  
Offering Training  
  
PRINCIPAL  
College of Engineering & Technology



Signature of Principal  
  
MANOJ R.  
PRINCIPAL  
SNMVHSS VANNAPPURAM

Vocational Course : II CCT

Sl.No.	Register Number	Name of Candidate	22/11/19	23/11/19	24/11/19	25/11/19	26/11/19
1	1900628	ABHISHEK T S	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>
2	1900629	ABIN ALEXANDER	<u>Abin</u>	<u>Abin</u>	<u>Abin</u>	<u>Abin</u>	<u>Abin</u>
3	1900630	ADITHYAN SURESH	<u>Adithyan</u>	<u>Adithyan</u>	<u>Adithyan</u>	<u>Adithyan</u>	<u>Adithyan</u>
4	1900631	ADWAITH ANIL CHANDRAN	<u>Adwaith</u>	<u>Adwaith</u>	<u>Adwaith</u>	<u>Adwaith</u>	<u>Adwaith</u>
5	1900632	AMAL TOMY	<u>Amal</u>	<u>Amal</u>	<u>Amal</u>	<u>Amal</u>	<u>Amal</u>
6	1900633	ANJANA AJI	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>
7	1900634	BAZITH NAZEER	<u>Bazith</u>	<u>Bazith</u>	<u>Bazith</u>	<u>Bazith</u>	<u>Bazith</u>
8	1900635	JAIBIN JOSE	<u>Jaibin</u>	<u>Jaibin</u>	<u>Jaibin</u>	<u>Jaibin</u>	<u>Jaibin</u>
9	1900636	JIBIN JACOB	<u>Jibin</u>	<u>Jibin</u>	<u>Jibin</u>	<u>Jibin</u>	<u>Jibin</u>
10	1900637	KIRAN SOMAN	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>
11	1900638	NIHAD V M	<u>Nihad</u>	<u>Nihad</u>	<u>Nihad</u>	<u>Nihad</u>	<u>Nihad</u>
12	1900639	VISHAK PURUSHAN	<u>Vishak</u>	<u>Vishak</u>	<u>Vishak</u>	<u>Vishak</u>	<u>Vishak</u>
13	1900640	VISHNU VINOD	<u>Vishnu</u>	<u>Vishnu</u>	<u>Vishnu</u>	<u>Vishnu</u>	<u>Vishnu</u>
14	1900641	ANJIMA SHAJU	<u>Anjima</u>	<u>Anjima</u>	<u>Anjima</u>	<u>Anjima</u>	<u>Anjima</u>
15	1900642	BEEMA M M	<u>Beema</u>	<u>Beema</u>	<u>Beema</u>	<u>Beema</u>	<u>Beema</u>
16	1900644	JAYASREE JINADEVAN	<u>Jayasree</u>	<u>Jayasree</u>	<u>Jayasree</u>	<u>Jayasree</u>	<u>Jayasree</u>
17	1900645	MARY THOMAS	<u>Mary</u>	<u>Mary</u>	<u>Mary</u>	<u>Mary</u>	<u>Mary</u>
18	1900646	SNEHAMOL SUNIL	<u>Snehamol</u>	<u>Snehamol</u>	<u>Snehamol</u>	<u>Snehamol</u>	<u>Snehamol</u>





**AL-AZHAR**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

*(Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE)*

Perumpillichira P.O., Thodupuzha, Idukki Dt., Kerala - 685 605

www.alazharthodupuzha.org, acettdpa@gmail.com

Office : 04862-229193

Chairman : 9447033439

Manager : 9747410065

Administrator : 9746144555

Fax : 04862-221630

Ref.No. :

Date :

Register No:1900640

## *Certificate*

*This is to certify that Mr. VISHU VINOD Second year Civil Construction Technology student of SNM Vocational Higher Secondary School, Vannappuram has successfully completed five days of training Programme in Civil Construction Technology in connection with the 'On the Job Training programme 2019-20 organized by the Vocational Higher Secondary Department.*

Thdupuzha

26-11-2019



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Al-Azhar College of Engineering & Technology

**AL-AZHAR GROUP OF INSTITUTION**

•College of arts & Science •Dental College •Public School •Law College •Teachers Training Institute (T.T.I) •Pharmacy College  
•Polytechnic College •Training College (B.Ed.) •College of Paramedical Science •College of Engineering & Technology • Medical College

# One Day Training Program on OBE



## MEMORANDUM OF UNDERSTANDING

Between



### Al-Azhar College, Thodupuzha, Kerala and Accredit360, V-BIC, Vazhakulam , Kerala

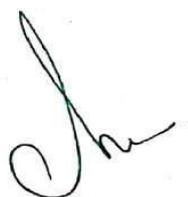
This Memorandum of Understanding is signed on 22/11/2019 between M/s Accredit360, V-BIC, Vazhakulam herein after called Academy , and Al-Azhar College of Engineering and Technology, Thodupuzha, herein after called Institution for conducting training programmes related to Outcome Based Education(OBE) and softwares used in accreditation .

The academy and the Institution mutually agree on the following terms and conditions:

1. The academy will liaison with Institution regarding the OBE practices implemented in the institute.
2. The Institution will provide the sample student assessment details to the Academy as soon as this mutual Agreement is signed in the prescribed format.
3. The fees for the Course for students/faculty members will be collected by the Institution and transferred to the academy
4. Once the payment is made in advance the academy will be intimating the students/faculty members of the Institution regarding the start of the Course. The duration and timings will also be intimated by the academy.
5. This Agreement is valid for 3 years from the date of signing of this MoU
6. The above terms and conditions are mutually agreed and the Agreement may be cancelled mutually by issuing a notice of one month .

Signed on 22 this day \_\_\_\_\_ of **November** Year **2019**

  
**Mr. Andrews Jose**  
**Director,**  
Accredit360, V-BIC, Vazhakulam ,  
Kerala - 686670

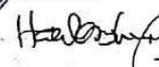


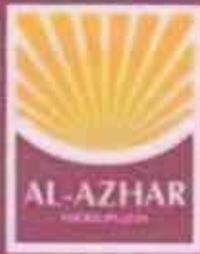
**Principal**  
Al-Azhar College of Engineering &  
Technology Perumpilichira P.O  
Thodupuzha, Kerala - 685605



**PRINCIPAL**  
Al-Azhar College of Engineering & Technology

WITNESSES

1.   
2.   
Kala. O.S



AL AZHAR COLLEGE  
OF ENGINEERING AND  
TECHNOLOGY,  
THODUPUZHA

**WORKSHOP ON  
OUTCOME BASED  
EDUCATION**

**10 DECEMBER 2019**

IN ASSOCIATION WITH INTERNAL QUALITY ASSURANCE CELL (IQAC)



Resource Person  
Prof. ANDREWS JOSE

V J C E T, Vazhakulam

[www.alazharthodupuzha.org](http://www.alazharthodupuzha.org)



PRINCIPAL  
Al Azhar College of Engineering & Techno



  
PRINCIPAL  
Al-Zhar College of Engineering & Technology

# Add on Course on Architecting with Google Compute Engine

File No.HEDN-C4/178/2018-HEDN



## GOVERNMENT OF KERALA

### Abstract

Higher Education Department - Additional Skill Acquisition Programme - Setting up of Advanced Skill Development Centres in Engineering Colleges - In principal approval sanctioned - Orders issued.

### HIGHER EDUCATION (C) DEPARTMENT

G.O.(Rt)No.189/2019/HEDN Dated,Thiruvananthapuram, 04/02/2019

Read DDFS file 1711/2018 from ASAP

### ORDER

1. Chief Executive Officer, Additional Skill Acquisition Programme as per the paper read above has requested to accord approval for setting up Advanced Skill Development Centres in the following Engineering Colleges, to increase the chances of employability of students, based on the interest shown by the Colleges.

SI NO	Name of the Institution	Type	District
1	Mar Athanasius College	Aided	Ernakulam
2	TKM College of Engineering	Aided	Kollam
3	Govt Engg College Idukki	Government	Idukki
4	Govt Engg College Kozhikode	Government	Kozhikode
5	Govt Engg College Thrissur	Government	Thrissur



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W-Azhar College of Engineering & Technology

6	Govt Engg College Sreekrishnapuram, Palakkad	Government	Palakkad
7	Government Engg college, Barton hill	Government	Trivandrum
8	College of Engg Trivandrum	Government	Trivandrum
9	Rajiv Gandhi Institut of Technology	Government	Kottayam
10	Govt Engg College, Wayanad	Government	Wayanad
11	Govt College of Engg Kannur	Government	Kannur
12	College of Engineering Kalloopara	Govt Supported	Pathanamthitta
13	College of Engineering Pathanapuram	Govt Supported	Kollam
14	College of Engineering Chenganoor	Govt Supported	Alappuzha
15	College of Engineering Kidangoor	Govt Supported	Kottayam
16	LBS College	Govt Supported	Kasargod
17	College of Engineering Karunagapally	Govt Supported	Kollam
18	College of Engineering & Management Punnapra	Govt Supported	Alappuzha
19	College of Engineering Muttathara	Govt Supported	Trivandrum
20	Sree Chitra Thirunal College of Engineering	Govt Supported	Trivandrum
21	College of Engineering Munnar	Govt Supported	Idukki
22	College of Engineering Trikaripur	Govt Supported	Kasargod
23	College of Engineering Poonjar	Govt Supported	Kottayam
24	Model Engineering College Thrikakkara	Govt Supported	Ernakulam
25	College of Engineering Perumon	Govt Supported	Kollam
26	Ahaliya School of Engg & Technology	Self-Financing	Palakkad
27	Lourde Matha College of Engineering	Self-Financing	Trivandrum
28	Malabar College of Engg and Technology	Self-Financing	Thrissur
29	Mangalam College of Engg	Self-Financing	Kottayam
30	Mar Baselios Institute of Technology and Science	Self-Financing	Ernakulam
31	Rajadhani Institute of Engineering and Technology	Self-Financing	Trivandrum
32	Vimal Jyothi Engineering College	Self-Financing	Kannur
33	M Dasan Institute of Technology	Self-Financing	Kozhikode
34	Federal Institute of Science And Technology	Self-Financing	Ernakulam
35	Muslim Association College of Engg	Self-Financing	Trivandrum



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36	Valia Koonambaikulathamma College of Engineering & Technology	Self-Financing	Trivandrum
37	IES College of Engineering	Self-Financing	Thrissur
38	Sarabhai Institute of Science and Technology	Self-Financing	Trivandrum
39	Mar Baselios College of Engineering and Technology	Self-Financing	Trivandrum
40	Sreepathy Institute of Management And Technology	Self-Financing	Palakkad
41	Adi Shankara Institute of Engineering and Technology	Self-Financing	Ernakulam
42	St. Joseph's College of Engineering and Technology	Self-Financing	Kottayam
43	Christ College of Engineering	Self-Financing	Thrissur
44	Saintgits College of Engineering	Self-Financing	Kottayam
45	Gurudeva Institute of Science And Technology	Self-Financing	Kottayam
46	Trinity College Of Engineering	Self-Financing	Trivandrum
47	Sree Buddha College of Engineering	Self-Financing	Alappuzha
48	Sree Narayana Institute of Technology	Self-Financing	Pathanamthitta
49	Sri Vellappally Natesan College of Engineering	Self-Financing	Alappuzha
50	Vidya Academy of Science & Technology	Self-Financing	Thrissur
51	Sahrdaya College of Engineering and Technology	Self-Financing	Thrissur
52	MES College of Engineering & Technology	Self-Financing	Ernakulam
53	KMEA Engineering College	Self-Financing	Ernakulam
54	Toc H Institute of Science and Technology	Self-Financing	Ernakulam
55	Cochin college of Engineering and Technology	Self-Financing	Malappuram
56	ILM College of Engineering and Technology	Self-Financing	Ernakulam
57	AL-AZHAR College of Engineering & Technology	Self-Financing	Idukki
58	MES College of Engineering	Self-Financing	Malappuram
59	Rajagiri School of Engineering & Technology	Self-Financing	Ernakulam



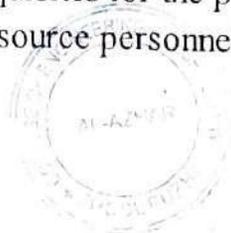
PRINCIPAL  
Al-Zhar College of Engineering & Technology

60	Baselios Mathews II College of Engineering	Self-Financing	Kollam
61	Younus College of Engineering & Technology	Self-Financing	Kollam
62	MES Institute of Technology & Management	Self-Financing	Kollam
63	Thangal Kunju Musaliar Institute of Technology	Self-Financing	Kollam
64	Mohandas College of Engineering & Technology	Self-Financing	Trivandrum
65	Amal Jyothi College of Engineering	Self-Financing	Kottayam
66	UKF College of Engineering and Technology	Self-Financing	Kollam

2. Courses are proposed in the ASDCs such as Data Analytics, Cloud Computing, Robotics, Artificial Intelligence and Machine Learning and a Communication and Life Skill Module.

3. Government have examined the matter in detail and are pleased to accord in principle approval for setting up Advanced Skill Development Centres in the above Engineering Colleges, to increase the chances of hiring of the students or enable them to start ventures of their own subject to the following conditions:

- i. All courses offered by ASDCs shall be aligned with NSQF skill levels required for engineering graduates. The focus shall be on imparting various skill sets required for various job sectors rather than conceptual delivery of theoretical or mathematical subjects. Training partners like National Institute of Electronics & Information Technology (NIELIT) that offer level 5, Level 6 and level 7 courses for polytechnic and engineering students and companies offering special courses may be chosen and MOU signed with them. The number and nature of job/internships offers should also be made available to the students.
- ii. Each course shall have a mandatory internship as part of it.
- iii. The College shall make available the video suites installed by the Skill Development Platform Kerala in the College or labs for conduct of the course
- iv. The details regarding prerequisites for the proposed course, course fee, the credentials of the resource personnel handling the courses



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along with the academic calendar shall be published before the commencement of every course.

- v. An agreement shall be signed with the respective colleges regarding the investment/facilities required, fee to be collected from the students and sharing of revenue.
- vi. Communication and Life Skill module proposed by ASAP shall be conducted so as to impart soft skills such as willingness and capability to acquire new knowledge, critical thinking and problem solving, interpersonal communication including English assessment and certification if necessary and team building skills which are required to increase the chances of employability.

(By order of the Governor)  
**DR. USHA TITUS**  
**PRINCIPAL SECRETARY**

To:

The Chief Executive Officer, ASAP

The Principals Concerned

The Accountant General(A&E/Audit), Kerala, Thiruvananthapuram

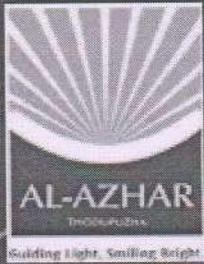
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Forwarded /By order

Section Officer

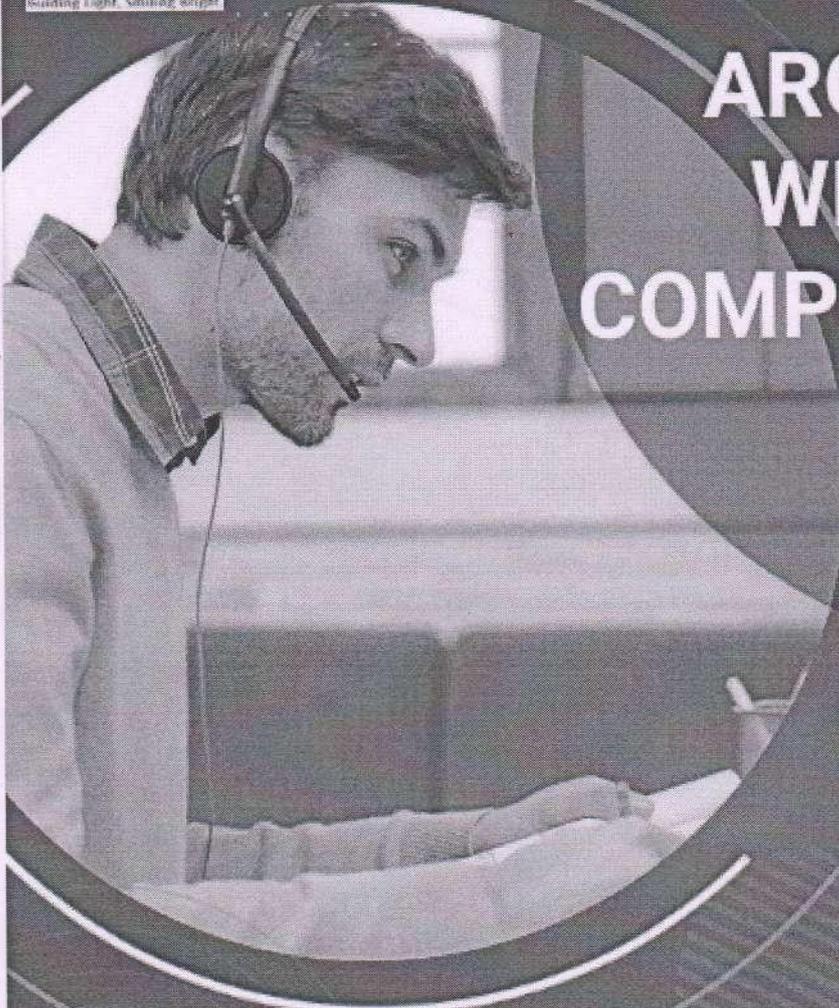


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Al-Ahar College of Engineering & Technology



# AL-AZHAR COLLEGE OF ENGINEERING AND TECHNOLOGY

## ARCHITECTING WITH GOOGLE COMPUTE ENGINE



**ADDON COURSE BY Department of CSE**

○ IN ASSOCIATION WITH ASAP, Govt. of Kerala and IQAC



**GOOGLE ACE**

**7-8-2020 TO  
18-1-2021**

**Faculty coordinator:**

**ANJU PATHROSE:  
9447724688**



*Principal*  
**PRINCIPAL**  
Al-Azhar College of Engineering & Technology



# ARCHITECTING WITH GOOGLE COMPUTE ENGINE(Google ACE)

## SYLLABUS(40 hours)

### **Module 1**(8 hours)

#### Google Cloud Platform Fundamentals: Core Infrastructure

##### Introducing Google Cloud Platform:

Welcome to GCP Fundamentals. What is cloud computing?. How did we get here?. Every company is a data company.GCP computing architectures. The Google network. GCP regions and zones.

##### Virtual Machines in the Cloud:

Virtual Private Cloud (VPC) Network. Compute Engine. Important VPC capabilities. Environmental responsibility. Google offers customer-friendly pricing. Open APIs.

### **Module 2**(8 hours)

#### Essential Google Cloud Infrastructure: Foundation

##### Introduction to GCP

Using GCP. Console and Cloud Shell. Getting Started with Google Cloud Platform and Qwiklabs.Console and Cloud Shell. Infrastructure Preview. Infrastructure Preview

##### Virtual Networks

Virtual Private Cloud. IP addresses. Mapping IP addresses. Routes and firewall rules.Pricing.VPC Networking.Common network designs. Implement Private Google Access and Cloud NAT

### **Module 3**(8 hours)

#### Essential Google Cloud Infrastructure: Core Services

##### Cloud IAM

Organization.Roles.Custom roles.Members. Service Accounts.Cloud IAM best practices.Cloud IAM.Getting Started with Google Cloud and Qwiklabs.Cloud IAM

##### Storage in the Cloud:

Cloud Storage. Cloud Storage interactions. Google Cloud Bigtable. Google Cloud SQL and Google Cloud Spanner. Google Cloud Data store.Comparing Storage Options.

### **Module 4**(8 hours)

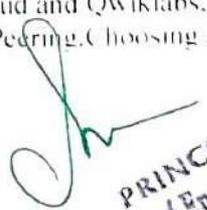
#### Elastic Google Cloud Infrastructure: Scaling and Automation

##### Interconnecting Networks

Cloud VPN. Virtual Private Networks (VPN).Getting Started with Google Cloud and Qwiklabs.Virtual Private Networks (VPN).Cloud Interconnect and Peering.Cloud Interconnect.Peering.Choosing a connection

##### Managed Services



  
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BigQuery, Cloud Dataflow, Cloud Dataprep, Cloud Dataproc, Cloud Dataproc, Module Review, Deployment Manager, Automating the Infrastructure of Networks Using Deployment Manager.

## **Module 5(8 hours)**

### Reliable Google Cloud Infrastructure: Design and Process

#### Defining Services

Requirements Analysis, and Design .Activity Intro: Analyzing your case study, Activity Review: Analyzing your case study, KPIs and SLIs, SLOs and SLAs, Activity Intro: Defining SLIs and SLOs, Activity Review: Defining SLIs and SLOs

#### Microservice Design and Architecture

Microservices, Microservices Best Practices, Activity Intro: Designing microservices for your application, Activity Review: Designing microservices for your application

  
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5 Courses

Go gle Cloud

Oct 23, 2020

Anjali A

has successfully completed the online, non-credit Specialization

# Architecting with Google Compute Engine

In this five-course accelerated specialization, learners explored and deployed solution elements, including infrastructure components such as networks, systems and applications services using Google Cloud Platform, with a focus on Compute Engine.

*Google Cloud Training*

Google Cloud Training

Google Cloud Platform  
Fundamentals: Core  
Infrastructure

Essential Google Cloud  
Infrastructure: Foundation

Essential Google Cloud  
Infrastructure: Core  
Services

Elastic Google Cloud  
Infrastructure: Scaling and  
Automation

Reliable Google Cloud  
Infrastructure: Design and  
Process

The online specialization named in this certificate may draw on material from courses taught on campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a university-grade course credit or degree and it does not verify the identity of the learner.

Verify this certificate at  
[coursera.org/verify/specialization/XRAZYQDBI4V8](https://coursera.org/verify/specialization/XRAZYQDBI4V8)



*[Signature]*  
PRINCIPAL  
Al-Azhar College of Engineering & Technology

On-the Job Training Programme-Civil Construction Technology

**SNM VOCATIONAL HIGHER SECONDARY SCHOOL  
VANNAPPURAM**

VANNAPPURAM P.O., THODUPUZHA, IDUKKI 685 607  
Phone No: 04862 246434, e-mail:snmvhssvannappuram@vhsethrissur.org

**MEMORANDUM OF UNDERSTANDING (MOU)**

We hereby agree to hold On-the Job Training Programme for Vocational Higher  
Secondary Education.

*Civil Construction Technology* ..... 1/11<sup>th</sup>  
year students from ..... 20<sup>th</sup> NOVEMBER 2020 to  
24<sup>th</sup> November 2020..... for a period of ..... 5 ..... Days at  
*Al-Azhar Collage of Engineering and Technology.*

The centre's facilities will be extended to the trainees in all respect for their hand-in  
experience. The required materials and consumables will be supplied to the trainees. The  
trainees will be permitted to handle the centre's tools and instruments. They will be evaluated  
and certificates will be awarded at the end of the training.

This Memorandum of Understanding is jointly signed by *Principal, Al Azhar*  
*Collage of Engg. & Tech.....* and the Principal, SNM VHSS Vannappuram

Dated this : *10<sup>th</sup>* day of *November* 2020

*[Signature]*  
Signature of Head of the institution  
Offering Training



*[Signature]*  
MANOJ R.  
PRINCIPAL  
SNMVHSS VANNAPPURAM  
Signature of Principal

PRINCIPAL  
Al-Azhar Collage of Engineering & Technology

Name of School : SNMVHSS VANNAPPURAM

Vocational Course : I CCT

Sl.No.	Register Number	Name of Candidate	20/11/20	21/11/20	22/11/20	23/11/20	24/11/20
1	2010496	ABHIJITH V A	Abijith	Abijith	Abijith	Abijith	Abijith
2	2010497	ABIJITH GIGI	Abiji	Abiji	Abiji	Abiji	Abiji
3	2010498	AKBARSHA ABBAS	Akbar	Akbar	Akbar	Akbar	Akbar
4	2010499	ALBERT SABU	Alb	Alb	Alb	Alb	Alb
5	2010500	ALBIN JOHNSON	Albin	Albin	Albin	Albin	Albin
6	2010501	AROMAL PRASAD	Aromal	Aromal	Aromal	Aromal	Aromal
7	2010502	ARUN R NAIR	Arun	Arun	Arun	Arun	Arun
8	2010503	ASHIQ P.K	Ashiq	Ashiq	Ashiq	Ashiq	Ashiq
9	2010504	ATHUL MANOJ	Athul	Athul	Athul	Athul	Athul
10	2010505	BANET BENNY	Banet	Banet	Banet	Banet	Banet
11	2010506	BINISH BIJU	Binish	Binish	Binish	Binish	Binish
12	2010507	KRISHNANUNNI P S	Krishna	Krishna	Krishna	Krishna	Krishna
13	2010508	MUHAMMAD SALIH	Muham	Muham	Muham	Muham	Muham
14	2010509	MUHAMMED ANSAF K S	Muham	Muham	Muham	Muham	Muham
15	2010510	MUHAMMED MOOSA	Muham	Muham	Muham	Muham	Muham
16	2010511	VISHNU BINOY	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu
17	2010512	VISHNU K V	Vishnu	Vishnu	Vishnu	Vishnu	Vishnu
18	2010513	HASEENA SHAHUL	Hasana	Hasana	Hasana	Hasana	Hasana
19	2010514	SNEHA VARGHESE	Sneha	Sneha	Sneha	Sneha	Sneha
20	2010515	SUCHITHRA S BABU	Suchithra	Suchithra	Suchithra	Suchithra	Suchithra





**AL-AZHAR**

**COLLEGE OF ENGINEERING & TECHNOLOGY**

(Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE)

Perumpillichira P.O., Thodupuzha, Idukki Dt., Kerala - 685 605

www.alazharthodupuzha.org, acettdpa@gmail.com

Office : 04862-229193

Chairman : 9447033439

Manager : 9747410065

Administrator : 9746144555

Fax : 04862-221630

Ref.No. :

Date :

Register No:2010506

## *Certificate*

*This is to certify that Mr. BINISH BIJU first year Civil Construction Technology student of SNM Vocational Higher Secondary School, Vannappuram has successfully completed five days of training programme in Civil Construction Technology in connection with the 'On the Job Training Programme 2020-21 organized by the Vocational Higher Secondary Department.*

Thodupuzha

24-11-2020



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PRINCIPAL

Al-Azhar College of Engineering & Technology

**AL-AZHAR GROUP OF INSTITUTION**

•College of arts & Science •Dental College •Public School •Law College •Teachers Training Institute (T.T.I) •Pharmacy College  
•Polytechnic College •Training College (B.Ed.) •College of Paramedical Science •College of Engineering & Technology • Medical College



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# Faculty Development Programme on NBA Accreditation



## MEMORANDUM OF UNDERSTANDING

Between



### Al-Azhar College, Thodupuzha, Kerala and Accredit360, V-BIC, Vazhakulam , Kerala

This Memorandum of Understanding is signed on 22/11/2019 between M/s Accredit360, V-BIC, Vazhakulam herein after called Academy , and Al-Azhar College of Engineering and Technology, Thodupuzha, herein after called Institution for conducting training programmes related to Outcome Based Education(OBE) and softwares used in accreditation .

The academy and the Institution mutually agree on the following terms and conditions:

1. The academy will liaison with Institution regarding the OBE practices implemented in the institute.
2. The Institution will provide the sample student assessment details to the Academy as soon as this mutual Agreement is signed in the prescribed format.
3. The fees for the Course for students/faculty members will be collected by the Institution and transferred to the academy
4. Once the payment is made in advance the academy will be intimating the students/faculty members of the Institution regarding the start of the Course. The duration and timings will also be intimated by the academy.
5. This Agreement is valid for 3 years from the date of signing of this MoU
6. The above terms and conditions are mutually agreed and the Agreement may be cancelled mutually by issuing a notice of one month .

Signed on 22 this day \_\_\_\_\_ of November Year 2019

**Mr. Andrews Jose**  
**Director,**  
Accredit360, V-BIC, Vazhakulam ,  
Kerala - 686670

**Principal**  
Al-Azhar College of Engineering &  
Technology Perumpilichira P.O  
Thodupuzha, Kerala - 685605



**PRINCIPAL**  
Al-Azhar College of Engineering & Technology

WITNESSES

- 1.
- 2.



AL-AZHAR COLLEGE  
OF ENGINEERING  
& POLYTECHNIC  
THODUPUZZHA

FACULTY DEVELOPMENT  
PROGRAMME (FDP)

# NBA ACCREDITATION

ON 23 JANUARY, 2021

*Expert Session by:*

**Prof. ANDREWS JOSE**

**Asstistant Professor**

Viswajyothi College of  
Engineering & Technology,  
Vazhakkulam



[www.alazharthodupuzha.org](http://www.alazharthodupuzha.org)



PRINCIPAL

Al-Azhar College of Engineering & Technology



*Sh*

PRINCIPAL  
Al-Azhar College of Engineering & Technology

# Internship



BAPPUJI ROAD  
MUVATTUPUZHA  
PIN 686661  
Mob: +91 94470 34375  
+91 9400034375

DATE:

## MEMORANDUM OF UNDERSTANDING(MoU)

This Memorandum of understanding is signed on 12 August 2020 between **MADECKAL CONSTRUCTIONS** hereinafter called company and **Al- Azhar College of Engineering and Technology , Thodupuzha**, hereinafter called institution for conducting online training programs on **Geotechnical Investigations**.

The company and the institution mutually agree on the following terms and conditions:

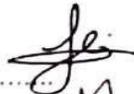
1. The institution will provide the student details to the company as soon as this mutual agreement is signed in the prescribed format.
2. The fees for the course will be collected by the institution and transferred to the company.
3. The duration and timings will also be intinsidated by the company .
4. This agreement is valid for 5 years from the date of signing of this MoU between the Institutions and the company.
5. The certificate of the course will be issued to the students on successful completion of the Course by the company.
6. The above terms and conditions are mutually agreed and the agreement may be cancelled issuing a notice of one month.

Director   
**VINOY ANTONY**  
Managing Partner  
Madedkal Constructions  
Bappuji Road, Muvattupuzha-686661



  
Dr. D. F. Melvin Jose  
Principal  
Al-Azhar College of engineering  
and technology  
Perumbillichira P.O  
Thodupuzha

WITNESSES

1.  Pestic Mathew
2.  Anju Pathrose

[www.madedkalconstructions.com](http://www.madedkalconstructions.com) | [madedkalconstructions@gmail.com](mailto:madedkalconstructions@gmail.com)



Reg No: 2476/2007 Con. Reg. No. 47/BSC/E1/07-08, A Class

# CERTIFICATE OF INTERNSHIP

awarded to

**Muhammed Fasil Kp**

from

**Al Azhar College of Engineering and Technology**

In recognition to his/her participation in 5 days online internship program on  
Geotechnical Investigation and Building Construction conducted by  
Madeckal Constructions from 27.05.2021 to 31.05.2021

Date : 01.06.2021  
Cert. ID : MCIN10998



Vinoy Antony  
Managing Partner  
Madeckal Constructions  
Bappuji Road, Muvattupuzha-686661



Reg No: 2476/2007 Con. Reg. No. 47/BSC/E1/07-08, A Class

# CERTIFICATE OF INTERNSHIP

awarded to

**Binishma Sasi**

from

**Al Azhar College of Engineering and Technology**

In recognition to his/her participation in 5 days online internship program on  
Geotechnical Investigation and Building Construction conducted by  
Madeckal Constructions from 27.05.2021 to 31.05.2021

Date : 01.06.2021  
Cert. ID : MCIN10550



Vinoy Antony  
Managing Partner  
Madeckal Constructions  
Bappuji Road, Muvattupuzha-686661



PRINCIPAL  
Al Azhar College of Engineering & Technology

# Add on Course on Certificate in Robotics

Centre Code: 0606



## CERTIFICATE OF

*This is to certify that C-capt has appointed*  
*Sri./Smt. .... **K.M. MIJAS** ..... as the Franchisee*  
*to conduct Animation and Multimedia Training under the brand*  
*C-capt Multimedia Academy at .... **THODUPUZILA** .....*  
*..... **IDUKKI** .....*  
*during the period from **10/02/2021** to **09/02/2022***

**Dr. P.Suresh Kumar**  
Managing Director



*(Established by Government of Kerala)*

Head office Complex, Vattioorkavu, Thiruvananthapuram - 695 013, Tel: 91-47-22-5678,2365415  
Web: www.captkerala.com, e-mail: mail@captkerala.com





## 1 Rights Granted

The Franchisor grants to the Franchisee, during the period of this agreement and subject to the terms and conditions hereof, the non-exclusive rights to carry on the Business in accordance with this Agreement from the Premises located at **C-APT Multimedia Academy, Centre Code: 0606, AL Azhar Campus, Perumpillichira P.O, Thodupuzha Idukki-685605** ("the premises"), to utilize the Know-How and to use the Trade Marks as specified in the Corporate Identity Manual ("The Trade Marks").

- a) Notwithstanding anything herein the Franchisor hereby reserves the right to grant:
- a. Any and all rights in and to this Technical Know-how and/or the Trade Marks to any third party.

## 2 Term

- a) Subject as herein appears in this Agreement, the validity of this Agreement shall be for a period of 1 year from **10/02/2021 to 09/02/2022**

## 3 Renewal and Renewal Fee

- a) If the Franchisee gives written notice of his desire to renew the Agreement, then provided that at the time of such notice is given this Agreement is valid and subsisting and the Franchisee shall not be in breach of his obligations under this agreement, the Franchisor and Franchisee will enter into a new standard agreement in such form as is currently being offered to new Franchisees at that time, to operate from the date of the expiry of this Agreement and the final decision in this connection would be as per the decision of the Governing Body of the Centre.
- b) The renewal fee of this Agreement shall be as desired by the Franchisor at the time of such renewal.
- c) The renewal should be based on the performance of the Franchisee. The Franchisee should attain a minimum turnover of **Rupees Five lakhs per year**.

## 4 Franchisor's obligations

The Franchisor shall through its Consultant;

- a) Assist the Franchisee to establish and efficiently operate the Business from the Premises and to provide him with a Manual, the copyright in which shall at all time remain the property of the Franchisor;
- b) Train the Franchisee and the Franchisee's staff in the correct operation of the Business.
- c) Give the Franchisee such reasonable continuing assistance and advice as the Franchisor considers necessary for the efficient running of the Business.

MANAGING DIRECTOR  
Kerala State Centre for Advanced  
Printing & Training (C-APT)

FOR NOORUL ISLAM TRUST

Secretary

₹. 100

₹. 100

ONE HUNDRED RUPEES



भारत INDIA  
INDIA NON JUDICIAL

കേരളം KERALA

87 232730

WHEREAS

- (A) The Franchiser has spent time and money and effort in obtaining and developing knowledge of and expertise (the "Know How") in imparting and providing training in Animation (the "Services"); and
- (B) The Franchisor wishes to expand the provision of the Services and is willing to grant to the Franchisee the rights set out herein; and
- (C) The Franchisee desires the right during the continuance of this Agreement to provide the Services from the premises specified herein, under the Trade Marks detailed herein and as directed in the operation manual (the "Manual"); and
- (D) The Franchisor has appointed the Consultant as its technical consultant to run the Business; and
- (E) The business of providing and marketing the Services is hereafter called the "Business"; and
- (F) The equipment from time to time required by the Franchisee for use in the Business is hereafter called the "Equipment".

NOW THEREFORE in consideration of the premises and mutual covenants and promises made hereinafter the parties hereto agree as follows.

MANAGING DIRECTOR  
Kerala State Centre for Advanced  
Printing & Training (C-APT)  
Thiruvananthapuram

FOR NOORUL ISLAM TRUST

- d) Ensure that the Manual shall be kept up to date with any alterations and/or improvements in or to the operation of the Business.

#### 5 Role of the Consultant

- a) The Consultant shall interact with the Franchisee on a day-to-day basis and shall do all acts on behalf of the Franchisor and as authorized by the Franchisor, upon getting appropriate approval from the Franchisor.
- b) The Franchisee hereby agrees to interact with the Consultant for the smooth conduct of the Business and the Franchisee hereby acknowledges that Consultant shall be the sole representative/facilitator on behalf of the Franchisor.
- c) The Franchisor hereby acknowledges and agrees that the Consultant shall interact with the Franchisee and the Consultant may take decision on its own for the smooth conduct of the Business by the Franchisee. However, the Consultant shall obtain necessary approval/ratification from the Franchisor at all times. The Consultant shall also have the right to modify the Manual as is reasonably required with the approval of franchisor and this shall be communicated to the franchisee.

#### 6 Franchisee's Obligations concerning the Trade Marks

- a) The Franchisor authorizes the Franchisee to use the Trade Marks solely for the purpose of promoting the Business and any usage will be in accordance with the reasonable directions of the Franchisor or the Consultant.
- b) The Franchisee undertakes not to do anything to prejudice or damage the goodwill in the Trade Marks or the reputation of the Franchisor.
- c) If the Franchisee becomes aware of any infringement of the Trade Marks by any other party trading with Marks similar or identical to the Marks, the Franchisee shall immediately notify the Franchisor or Consultant in writing thereof.
- d) The Franchisee shall use only the Trade Marks in connection with the Services.
- e) The Franchisee shall comply with all reasonable requirements from time to time laid down by the Franchisor or Consultant as regards the use and presentation of the Trade Marks.
- f) The Franchisee shall ensure that any items of equipments regularly used by the Franchisee in carrying out the Services, shall carry such words devices and/or designs and in such prominence and colour as may be approved/specified by the Franchisor, confirming to all details and terms & conditions laid down in Corporate Identity Manual.

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Thiruvananthapuram

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- g) Franchisee should ensure the premises should be exclusively branded for C-apt Multimedia Academy.

## 7 Franchisee's general obligations

- a) In order to maintain the uniform high standards of the Services and to protect the Franchisor's intellectual property rights and maintain the common identity and reputation of the franchise network, the Franchisee hereby agrees:
- a. **Carry on business**
    - i. To carry on the Business under the Trade Marks and no other name;
  - b. **Premises**
    - i. Not to carry on the Business from any other location other than the Premises without the Franchisor's prior written consent and also not to conduct any other courses other than those specified by the Franchisor.
  - c. **Commencement**
    - i. To commence Business from the day of signing of agreement and to carry it on as a legally and economically independent party;
  - d. **Diligence**
    - i. To use its best endeavour and ensure highest standards in all matters connected with the Business and to carry on the Business diligently and in a manner in all material respects to the reasonable satisfaction of the Franchisor and the Consultant and as may be reasonably required by the Franchisor from time to time in accordance with its image and reputation;
  - e. **Personnel**
    - i. To ensure that all personnel employed by him in the Business shall at all times comply with all of the Franchisor's or Consultant's requirements;
  - f. **Staff training**
    - i. To ensure that all his employees are trained by the Franchisor or the Consultant before actually working in the Business;
  - g. **Access to staff and books and records**
    - i. To permit the Franchisor and/or his agent and/or the Consultant or its agent, without any notice to interact with Franchisee's staff and the Franchisee to permit free access of the books of accounts and other & records of Franchisee in connection with the conduct of Business at the franchisee centre.
  - h. **Franchisor's requirements**
    - i. To comply with all reasonable requirement consistent with the terms of this Agreement that are from time to time notified by the Franchisor or the Consultant for the efficient conduct of the Business;

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- i. **Insurance**
- i. To insure with a major reputable insurance company in adequate sum against all normal and reasonably foreseeable and unforeseeable risks relating to the conduct of Business;
- j. **Notice of status**
- i. To clearly indicate on all literature and correspondence and by way of a prominently displayed notice board at the Premises the fact that it is an exclusive brand of the Franchisor and is in no other way connected with it;
- k. **Indemnity**
- i. To indemnify and keep indemnified the Franchisor and the Consultant from and against all loss damage or liability suffered by it as a result of the Franchisee's acts or omissions.
- l. **No sub-lease, sub-license etc. of the Premises**
- i. The Franchisee shall not use or allow to be used the office of the franchisee centre or any part thereof, to any other person for doing any other business, activities or work whether on part time, full time or any other basis.
  - ii. That the Franchisees shall conduct the business in his own premises or any other premises and Franchisor shall not have any liability whatsoever in any dispute which may arise between the Franchisee and the landlord or any other person connected with the premises in question.
- m. **Reporting**
- i. The Franchisee shall provide all such reports in the formats as required by the Franchisor and the Consultant as required by them.
- n. **Taxes and other statutory obligations**
- i. The Franchisee shall pay all taxes, duties and other charges and meet all other statutory obligations as if it is a separate legal entity.
  - ii. The Franchisee shall be liable to pay all statutory dues or any compensation which may arise under the Workmen Compensation Act or any other legislation in respect of the employees engaged by him and the Franchisor shall not be liable to pay any statutory dues/contribution under any law whatsoever.
- o. **Course material and Conduct of examination**
- i. The Franchisee shall provide all facilities including arranging halls for conducting examinations and other infrastructure such as making available computers and software packages required for the examinees to appear in the examinations.

**p. Printed material and stationery**

- i. The Franchisee shall obtain written permission from the Franchisor before printing any and all printed material and or stationery for the Business.

**q. Maintenance of confidentiality and secrecy**

- i. The Franchisee shall keep the contents of this Agreement and all information received from the Franchisor confidential and shall not disclose such information to any third party.

**r. Advertising**

- i. Franchisee shall obtain prior written permission from the Consultant before releasing any advertisement by itself. The Franchisee shall not release any advertisement in any place other than in the district where their franchisee centre is located.

**s. Conducting the Business operations**

- i. The Franchisee shall conduct the Business as instructed from the Franchisor and the Consultant from time to time either through written instructions or by modifying the Manual.
- ii. The course, its contents, fees etc. specified by the franchisor should be completely adhered to by the franchisee and any change in this regard will not be permitted unless and until it is approved by the franchisor.

**t. Interior design**

- i. The interiors of the franchisee centre and office furniture and equipments shall be as per the specification mentioned in the Corporate Identity Manual. Under no circumstances, the Franchisee shall display or advertise in the Premises, any other trademarks or trade names.

- u. The franchisee should also adhere to the following terms & conditions as specified in Annexure A which shall form part of this agreement.

- v. The information furnished by the franchisee in their applications and Response Form shall also form part of this agreement.

- b) The franchisee shall not be permitted to start any courses, in which with the duration of the course shall exceed the contract period. In unavoidable circumstances, if the duration of course exceeds the expiry of the contract period, the franchisee should start such courses so as to complete the courses within one month following their contract period.

- c) The Franchisee shall be forwarded the admission details of students through The Technical Consultant on or before 10<sup>th</sup> day of every month.

**8 Franchisee's financial obligations**

- a) The Franchisee shall pay to the Franchisor (as specified in the Manual) the following sums:

- a. Immediately upon signing this Agreement the franchisee fee amounting to **₹25,000/-** (Rupees Twenty Five Thousand only), which is non refundable shall be remitted by the franchisee for the contract period of one year.
- b. A Royalty share, i.e., **25%** of the total course fee to be collected from the students, payable within the first three months of commencement of a long term course (one year course) and during the first month of commencement of course itself for all short term courses.
- c. Apart from the above, an amount equal to **5%** of course fee should be remitted by the Franchisee with the Franchisor as Security Deposit, which shall be refunded after the completion of the contract period without interest.
- d. For general advertisements released on behalf of all franchisees, the cost shall be worked out in a manner such that the total cost is shared by the individual Franchisees and the Consultant. This includes the state level inaugural launch advertisements.
- e. Notwithstanding anything in this Agreement, for the purpose of clarity, it is hereby mentioned that, the Franchisor shall not at any time, spend any monies for the conduct of Business by the Franchisee.

#### **9 Promotion and advertising**

- a) The Franchisee shall upon receiving written notice from the Franchisor or the Consultant, pay on a monthly basis a sum equivalent to its share for general advertisements as specified in clause 8(d).

#### **10 Franchisee's book & accounts**

- a) Franchisee shall maintain proper books of account relating to the Business and shall employ adequate staff to prepare annual accounts of its Business. The Franchisee shall submit to the Franchisor and the Consultant the following:
  - a. Within thirty days after the end of each financial year with an audited certificate as to the Franchisee's gross turnover during such period calculated in accordance with this Agreement.
  - b. Within ninety days after the end of each financial year with a certified copy of the audited profit and loss account and the balance sheet of the Franchisee's business and such other accounting and financial information relating to it as may be reasonably required by the Franchisor.
  - c. The Franchisee shall provide to the Franchisor any certificates etc. set out hereinabove which shall be prepared after the termination of this Agreement but which shall related to any financial period of the Franchisee which falls whole or in part within the period of this Agreement.

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Kerala State Centre for Advanced  
Printing & Training (KASAPT)



FOR NOORUL ISLAM TRUST

  
Secretary

- d. The Franchisee shall submit the Statement of accounts of the franchisee centre to the franchisor within 15 days of each quarter.

## 11 Audit

- a) The Franchisor or its Auditor or authorized representative including the Consultant and its authorized representative shall be entitled to inspect and audit the books of accounts and all supporting documentation of the Franchisee relating to the Business at any time in respect of the whole or any part of the period of this Agreement and within six months after the receipt by the Franchisor of the audited accounts for the year or other period of this Agreement up to the termination or surrender of this Agreement.
- b) If the audit (or any other periodic inspection not being a full audit) shows that the accounting of the Franchisee as to the calculation of the payments due under this Agreement and or any other financial matters is incorrect, the Franchisee undertakes promptly to rectify the defect in the amount accounted for and/or the accounting the system defect or make the payment thereof as the case may be.

## 12 Termination

- a) The Franchisor may terminate this Agreement forthwith by notice in writing to the Franchisee;
- i). If the Franchisee has committed any breach of its covenants with regard to the use of Trade Marks of the Franchisor or not maintaining the unique look and ambience in the franchisee centre to depict the exclusivity of the franchisee; for the purpose of clarity, in the event the Franchisee is not maintaining the unique look and ambience at the franchisee centre as directed by the Franchisor and/or the Consultant, the Franchisor shall have the right to forthwith terminate this agreement.
  - ii) If the Franchisee has committed, any material breach of its obligations hereunder or shall have failed to remedy any remediable breach within a period of 15 days of the receipt of a notice in writing from the Franchisor requiring him to do so.
  - iii) If the Franchisee shall commit any act which in the opinion of the Franchisor has prejudiced the value of the Trade Marks or good will of the Franchisor.
  - iv) If the franchisee shall commit an act of bankruptcy or have receiving order made against it or makes any arrangement or assignment with or for the benefit of his creditors or suffer distress or execution to be levied or threatened on any of these properties;
  - v) If any sum or document required under the terms of this Agreement is not paid or submitted at the latest within 15 days following its due date;
  - vi) If the Franchisee ceases or takes any steps to cease its business;
  - vii) If the Franchisee challenges Franchisor's intellectual property rights.

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Printing & Technology



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- b) The termination or expiry of this Agreement shall be without prejudice to any rights and obligations conferred or imposed by this Agreement in respect of any period after such termination and shall also be without prejudice to the rights of either party against the other in respect of any antecedent breach of any of the terms and conditions hereof.
- c) Notwithstanding anything above, the Franchisor shall have the right to wind up this model of Business, as contemplated in this Agreement, without any obligations to the Franchisee.

### 13 Post termination provisions

- a) In the event of termination or expiry of this Agreement howsoever arising:
- a. The Franchisee shall forthwith return to the Franchisor all stationery and signs bearing the Trade Marks in its possession whether or not supplied by the Franchisor;
  - b. The Franchisee shall not at anytime thereafter;
    - i. commence any course or take new admissions in its status as the franchisee of the Franchisor;
    - ii. Make any use of the Trade Marks or goodwill of the Franchisor;
    - iii. Disclose or use any confidential information related to the Business acquired by it during this Agreement (save that it shall be allowed to use such Know-How that has come into the public domain by means other than Franchisee's breach);
    - iv. Purport to be a franchisee of or otherwise associated with the Franchisor including its association with the Franchisor under this Agreement;
  - c. The Franchisee shall not be allowed during a period of one year thereafter to be directly or indirectly engaged or concerned or interested in a business which competes with the Services within the Revenue district where the Premises are located.
  - d. In the event of termination before the expiration of this Agreement, the existing students in the franchisee centre shall be transferred to next nearest franchisee centre. Under such circumstances, the Franchisee agrees that, the course fee collected from such students who are getting transferred to the nearest franchisee centre shall promptly paid to the Franchisor so as to enable such students to continue their course in the new centre. Failure to pay such amounts shall make the Franchisee liable for Revenue Recovery under the existing laws at that time.

### 14 Copyright

- a) The copyright and all other rights in all the material including without limitation the Manual, syllabi, guidelines, manuals, books of instructions, catalogues, question papers, stationery (whether or not provided by the Franchisor) are the property of the



Franchisor and the Franchisee undertakes not to copy any such documents or information or to disclose any of its contents to any other party and not to make any direct or indirect use thereof apart from as mentioned in this Agreement.

### General provisions

#### a) Entire agreement

- i. This Agreement and the Manual expresses the entire agreement between the Parties hereto which supersedes any other negotiations or agreement on the subject matter hereof and:
  - a. The Parties confirm that the whole of their negotiations and intentions have been included herein within the context of and expressing clearly the requirements of the Parties;
  - b. There are no warranting and or representations or other matters relied upon by the Franchisee causing its signature hereto;
  - c. This Agreement shall not be modified in any way except by a written instrument signed by the three parties hereto.
  - d. It is specifically agreed that all the terms and conditions in the Operation Manual shall form part of the agreement and parties hereto will be bound by such terms and conditions in the Operation Manual.

#### b) Waiver

- i. The failure of Franchisor or to exercise any power given to it hereunder or to insist upon strict compliance by the Franchisee with any obligation hereunder shall constitute any waiver of any of the Franchisor's rights under this Agreement. Waiver by Franchisor of any particular default by the Franchisee shall not affect or impair the Franchisor's rights in respect of any subsequent default of any kind by the Franchisee nor shall any delay by or omission of the Franchisor to exercise any rights arising from any default of the franchisee affect or impair the Franchisor's rights in respect of any subsequent default of such kind.

#### c) Severability

- i. If any item or provision contained in this Agreement or any part thereof shall be declared or become enforceable invalid or illegal for any reason whatsoever, the other terms and provisions of this Agreement shall remain in full force and effect.

#### d) Warranties

- i. The Franchisee shall make no statements, representations or claims and shall give no warranties to any customer/student or potential customer/student in respect of Business. The Franchisee hereby undertakes to the Franchisor that it shall keep the Franchisor fully and effectively indemnified against all claims, demands, losses, expenses and costs which the Franchisor may incur as a result of any breach by the Franchisee of this provision or of any other provision contained in the Agreement and or in the Manual.

#### e) Force Majeure

- i. This Agreement shall be during the period and to the extend such period that the Franchisor reasonably believes any party to this Agreement is prevented or

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FOR NOORUL ISLAM TRUST

hindered from complying with its obligation under any part of it, by any cause beyond its reasonable control and which can be deemed as a Force Majeure element.

- ii. If such period exceeds 180 days, then the Franchisor shall upon giving a written notice to the Franchisee, be able to require that;
  - a. All sums due to the Franchisor shall be paid immediately,
  - b. The Franchisee shall immediately cease the conduct of Business.

f) JURISDICTION:

All the disputes arising out of or any way connected with this contract shall be deemed to have arisen in Thiruvananthapuram and within the jurisdiction of Courts in Thiruvananthapuram District and the courts in Thiruvananthapuram alone shall have jurisdiction to decide such disputes.

- g) Notwithstanding anything else in this Agreement, the Centre shall have the right to cancel this agreement at any point of time, without assigning any further reason in case there is any violation of the terms and conditions of the agreement by the Franchisees.
- h) In case, the Franchisee fails to execute the business as per the terms and conditions governing the agreement, the franchisor shall have power and authority to recover any loss or damage caused to the Franchisor by such breach as may be determined by the Franchisor by appropriating the security amount deposited by the them and if the security deposit is found to be inadequate, the deficit amount may be recovered from the Franchisee and their properties movable and immovable in the manner hereinafter contained.
- i) All sum found due to the Centre under or by virtue of this agreement shall be recoverable from the Franchisee and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the Centre may deem fit.
- j) If there is any fault/delay on the part of the Franchisee that affects the progress of the business, the Franchisor, reserves its right to modify and cancel this agreement at any point of time and arrange the business to be completed through other means and this shall be done at the risk and cost of the Franchisee.
- k) The Franchisee shall be liable for all statutory dues including taxes, levies, duties etc., if any and the Franchisor shall not be liable or responsible for any such dues arising out of any statute, orders, notifications etc.
- l) Unless otherwise advised in writing by either party to the Agreement, addresses for service of notice shall be as given in this Agreement.
- m) If any genuine complaints are received against the franchisee with regard to violation of the terms and conditions and agreement clauses with C-apt. then the contract with the said franchisee Centre will be terminated.

- n) The scheme will be implemented only in such a way that there is absolutely no financial commitment either at present, or in future through contractual obligations – C-apt or the Government.
- o) The Centre should have the rights to wind up the scheme without any legal complications whenever necessary.
- p) Headings:
  - i. The headings / head notes hereto are for the purpose of convenience of reference only and shall not be taken into account in considering or constructing or interpreting any of the provision hereof.

IN WITNESS WHEREOF the parties hereto have set their respective hands to present these and a duplicate hereof on the day and year above written.

ACKNOWLEDGED AND AGREED TO  
By the herein  
**FRANCHISOR**

ACKNOWLEDGED AND AGREED TO  
By the herein  
**TECHNICAL CONSULTANT**

ACKNOWLEDGED AND AGREED TO  
By the herein  
**FRANCHISEE**

.....  
.....

.....  
.....

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.....  
Secretary

**MANAGING DIRECTOR**  
Kerala State Centre for Advanced  
Printing & Training (C-APT)  
Thiruvananthapuram

**WITNESSES**

1. Signature :  
Name :  
Address :

*[Signature]*  
Dr. Siqueel  
Kottakunnel (H)  
muvattupuzha P.O

2. Signature :  
Name :  
Address :

**MANAGING DIRECTOR**  
Kerala State Centre for Advanced  
Printing & Training (C-APT)

.....  
.....

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**Annexure A**

1. All the franchisee centre will be advised to have a uniform look and ambience, to create and enhance the brand image for C-apt Multimedia Academy across the state.
2. The curriculum, syllabus and scheme of evaluation for the courses shall be designed by the Consultant and shall be approved by the Franchisor
3. The students will be admitted by the franchisee as per the eligibility guidelines fixed by the Franchisor.
4. The franchisee centre should have the following of minimum infrastructure.

a) CENTRE REQUIREMENTS	AREA IN SQFT.
i) RECEPTION	100
ii) COUNSELING	100
iii) COMPUTER LAB	400
iv) CLASS ROOM -1	200
v) CLASS ROOM -2	200
vi) LIBRARY	50
vii) FACULTY ROOM	100
viii) CENTRE MANAGER	50
ix) ADMINISTRATION/ACCOUNTS	50
x) LOBBY	100
xi) TOILET	50
	-----
TOTAL	1400 Sq.Ft.
	-----

**b) MANPOWER REQUIREMENTS**

**CENTRE MANAGER** Graduate with relevant experience in the field. Should manage the entire centre operations.

**SENIOR FACULTY** Professionals in relevant field with at least 3 years experience in teaching as well as in the production field. Any degree in the concern subject with minimum of 2 years experience in teaching in the concern subject.

**JUNIOR FACULTY** Professionals / Fresher's with good communication and presentation skills. Any degree in the concern subject with minimum 1 year experience in teaching in the concern subject.

**COUNSELOR** Graduate from any background with a charming personality and a flair for selling. Experience in similar field or technical exposure would be an added merit.

**MARKETING EXECUTIVE/BDM** Young graduates who are mobile. Needed to be smart, enterprising and good sellers. Need to undertake all outdoor publicity activities.

**RECEPTIONIST** Female candidate with a pleasing personality and a flair for conversing. Should be able to handle all incoming calls as well as receive visitors and enquiries.

**c) EQUIPMENTS**

i) Computer -15 Nos

**System Requirements.**

Pentium Quad Core or AMD Phenom X4 Processor.  
Intel or AMD Main Board with chipset.  
250 GB HDD/1 GB RAM 800 FSB  
min 512 Mb dedicated graphic card  
17 inch LCD Monitor/ ATX Cabinet.  
Multimedia Keyboard+ Mouse.

ii) 2D Light Boxes (1 to 2 Nos)

iii) UPS

iv) Server- 1 No

Zeon processor, 3000 Chip Set, 250 GB SATA, 2GB Memory,  
DVD Burner Drive.

v) Software's

Adobe Photoshop, Autodesk 3DS Max, Adobe Premier,  
Adobe After Effects, Autodesk Maya, Corel Draw, Flash, AutoCAD,  
Zbrush, Evon Fusion, Sound Forge.

vi) Admin Computers as needed

5. The Franchisee shall maintain separate bound and numbered Registers for the following:
  - a. Register showing the names of students, separate for each course.
  - b. Register of Attendance of students, separate for each course.
  - c. Register showing the receipt of fees and structure of fees, separate for each course.
  - d. Register showing the Names, Age, Educational Qualification, Experience, and Date of joining of the Faculty.
  - e. Register of Attendance of the Faculty
  - f. Attested copies of the Qualifications and Experience of the faculty.
6. The Franchisee shall submit a statement depicting the Name of the course, Date of commencement, Names of faculty, Number of students, Total fees collected, within 7 days of the commencement of each course.
7. The Consultant shall set the question paper and make arrangements for the delivery of the Question papers in sealed packets on the date of examination. There shall be a

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Printing & Training (C-APT)



FOR NOORUL ISLAM TRUST

Franchisee

uniform pattern in the matter of conducting exams, regarding the course and date of examination throughout the Centre, as prescribed by the Franchisor.

8. The Franchisee and technical consultant shall ensure disciplined procedures in conducting the examination and provide trained faculty, as directed by the Franchisor.
9. The Consultant/Franchisor shall be free to depute such persons, it may deem fit to invigilate the examination and do such acts that are incidental to the proper conduct of examinations.
10. The Consultant/Franchisor shall appoint and depute Examination Supervisors at every Centre and all examination Centre shall be under the control and supervision of such authorized Supervisors deputed by the first party.
11. The Answer Sheets shall be collected as directed by the deputed Supervisor of the Franchisor
12. The Franchisee shall provide the necessary system requirements and arrange them as per the specifications provided by the technical consultant/franchisor.
13. The Franchisor/Consultants shall value the answer papers, assess the practicals, declare the results, prepare the mark lists/grades and the Franchisor issues the certificates.
14. The Office, Lab, Class Room and premises of franchisee shall be at the address, which is specified in the Application Form and this Agreement. Change of address or ownership, if any, shall be communicated to the franchisor, in writing, immediately. Violation of this will also attract cancellation of registration and penalty as described in clause (12) of this agreement.

MANAGING DIRECTOR  
Kerala State Centre for Advanced  
Printing & Training (C-APT)



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**AI - AZHAR COLLEGE OF ENGINEERING & POLYTECHNIC**  
**PERUMPILlichIRA P.O., THODUPUZHA**  
**C- APT ADVANCED ROBOTICS**

Course Duration : 180 Hrs.  
 No of Hrs. taken : 10 Hrs.  
 Starting date : 05-11-2021  
 Total no of students : 26  
 Course Fees : Rs.9000/-  
 First installment paid : Rs.77000/-

Sl. NO	NAME	ENGG/ POLY	DEPT.	SEMESTER	INSALLMENT
1	Alfiya E. S.	Engg	CSE	S2	3000
2	Anjana Santhosh	Engg	CSE	S2	3000
3	Sheha G. Nath	Engg	CSE	S2	3000
4	Afreena Muhammed	Poly	CT	S3	2000
5	Afrin S	Poly	CT	S3	3000
6	Anna Paul	Poly	CT	S3	3000
7	Ansumol K. A.	Poly	CT	S3	3000
8	Anusha P. S.	Poly	CT	S5	3000
9	Arathi P Santhosh	Poly	CT	S3	3000
10	Arjun Santhosh	Poly	CT	S3	3000
11	Emil Roy	Poly	CT	S3	3000
12	Ericson P Wilson	Poly	CT	S3	3000
13	Indrajith C. V.	Poly	CT	S3	3000
14	James Jaison	Poly	CT	S3	3000
15	Ladhiya Shibu	Poly	CT	S5	3000
16	Linimol K. Jose	Poly	CT	S5	3000
17	Naif	Poly	CT	S3 Let	3000

## Certificate in Robotics (CRB)

Total Duration- 180 hrs (3 months)

Eligibility- PLUS TWO

Fees- ₹ 9,000/-

### Scheme of Study

CRB 101 – Robotics Techniques

CRB 201 – Lab – Robotics Techniques

Sl.No	Contents	Theory (Hrs)	Practical (Hrs)	Total (Hrs)
CRB 101	Robotics Techniques	50	-	50
CRB 201	Lab – Robotics Techniques	-	130	130
	Total	50	130	180

### CRB 101 – Robotics Techniques (Hours-50) Theory 50Hrs

#### Module – I

Robotics – Introduction to Robotics , Mechanical Design, Forward Kinematics ,Rigid Body Velocity,Jacobean,Inverse Kinematics,Redundant&Parellel Robots,Numerical Methods ,Trajectory Control,Force Control-- Robotics Automation and sensors-- Robot Mechanics-- Electrical Systems-- Robot Electronics-- Sensors Technology-- Wireless Data Transmission and remote access-- Micro controllers and their programming-- Embedded system and programming-- Mechanical Design—Actuator-- Speed control-- Motor design

Electronics Software-- Microsoft robotic simulation studio and ROS-- Eagle/Proteus- PCB designing

Robotic modelling-- Solidworks/Autodesk fusion 360--2D Modelling--3D Modelling-- Parts Modelling—Assemblies—Drawing-- Sheets Generation

### CRB 201 – Lab – Robotics Techniques (Hours-130) Practical 130Hrs

# Certificate



KERALA STATE  
CENTRE FOR ADVANCED PRINTING & TRAINING

**MULTIMEDIA ACADEMY**

SL. No. **0606/01**

This is to certify that Sri/Smt. .... **ALFIYA S** .....  
has successfully completed the Course ..... **CERTIFICATE IN ROBOTICS** .....  
during the period from ..... **10/03/2022** ..... to ..... **09/06/2022** .....

Date: ..... **22/06/2022** ..... at : **C-Capt Multimedia Academy** ..... **0606 - CMMA THODUPPUZHA** .....



KERALA STATE CENTRE FOR ADVANCED PRINTING & TRAINING

Head Office Complex, Vattiyookkavu, Thiruvananthapuram - 695013

Tel: 91-471-2365678, 2365415 Fax: 91-471-2365685

Web: www.captkerala.com, email: mail@captkerala.com

  
Managing Director

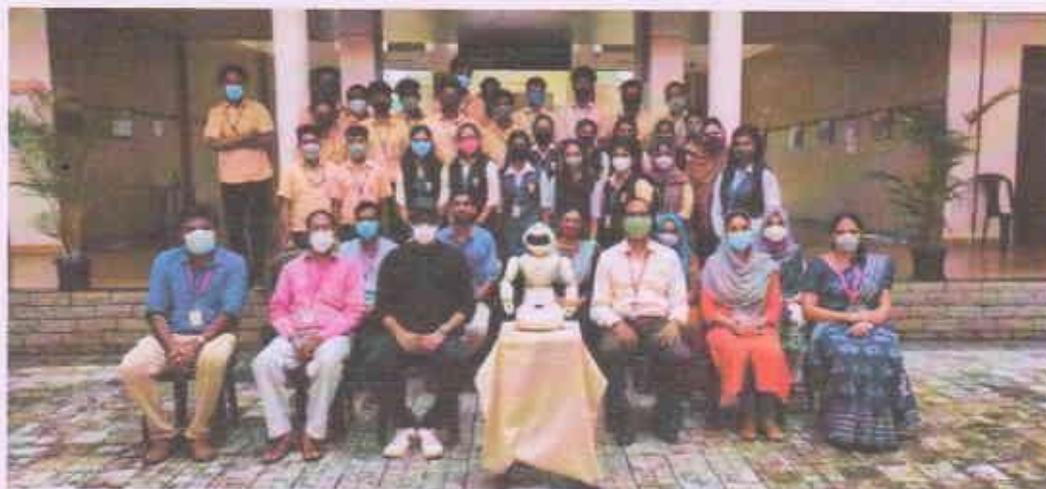


Principal  
Al-Azhar College of Engineering & Technology



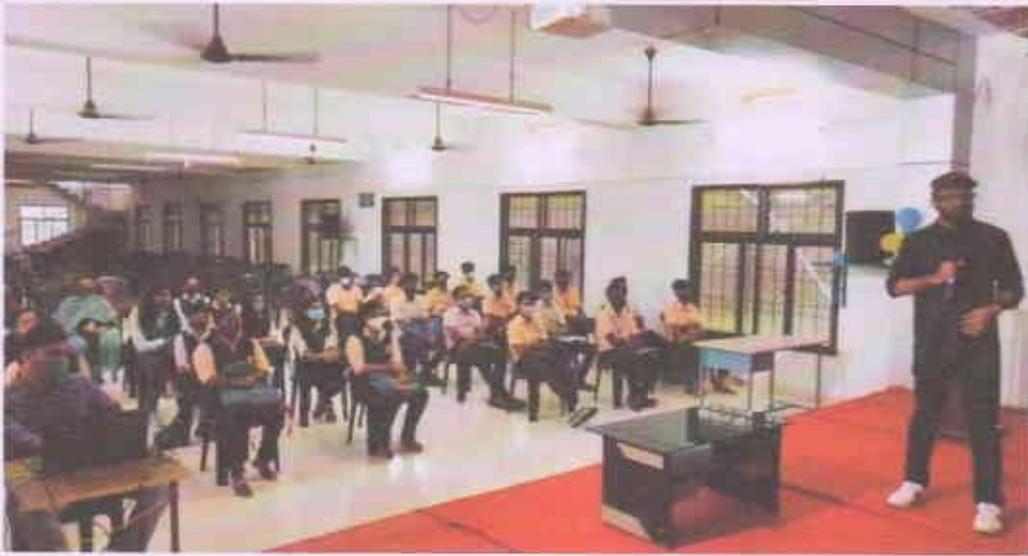


# AL AZHAR COLLEGE OF ENGINEERING AND POLYTECHNIC ADD ON COURSE ON CERTIFICATE IN ROBOTICS



PRINCIPAL

Al-Azhar College of Engineering & Technology



*[Signature]*  
PRINCIPAL  
Al-Azhar College of Engineering & Technology

# Add on Course on Development in Design and Automation for Industry 4.0



Conceptia®

## Memorandum of Understanding

Between

**AL- AZHAR College of Engineering & Polytechnic**  
Perumpillichira , Thodupuzha, Idukki, Kerala 685605

And

**Conceptia Software Technologies Pvt. Ltd**

#22, 100 Ft. Ring Road, 6th Block, 3rd Phase, B.S.K 3rd Stage, Bangalore-560085. Karnataka.  
India.

This MEMORANDUM OF UNDERSTANDING ("MOU") sets forth certain binding and non-binding terms and is effective as of date **November 9, 2021** and is made and entered into by and between:

**AL- AZHAR College of Engineering & Polytechnic** , Thodupuzha, a College established under the APJ Abdul Kalam Technological University having its college address at AL- AZHAR College of Engineering & Polytechnic, Perumpillichira , Thodupuzha Idukki, Kerala 685605 of the **FIRST PART**;

AND

**Conceptia Software Technologies Pvt. Ltd**, Bangalore a company having its registered office at Conceptia Software Technologies Pvt. Ltd, #22, 100 Ft. Ring Road, 6th Block, 3rd Phase, B.S.K 3rd Stage, Bangalore-560085. Karnataka. India. of the **SECOND PART**, hereafter referred to as 'CSTPL'.

The purpose of the MOU is to begin and/or to expand a framework of cooperation between College and **CSTPL** to support students, educational programs, and/or activities related to the use of Engineering Software & training services. **CSTPL** and **AL- AZHAR College of Engineering & Polytechnic** have agreed to pursue further discussions relating to future collaboration related to the programs, projects and events set forth on Exhibit A (the "Purposes"). Any definitive Agreements (if any) resulting from this MOU shall be subject to further negotiations, Prior management approval from both parties and execution of the definitive agreements.

**1. TERM AND TERMINATION.** This MOU begins on the Effective Date and expires three (3) years thereafter (the "Term"), unless terminated earlier in accordance with this MOU. Either Party, upon thirty (30) days' written notice, may terminate the MOU in whole, or in part, at any time before the date of expiration without liability to the other party.

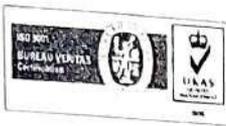
**Conceptia Software Technologies Pvt. Ltd**

CIN : U72900KA2004PTC034151

#22, 2nd Floor, 100 feet Ring Road, 6th Block, 3rd Phase, BSK 3rd Stage,  
Bangalore-560085, India. Telephone: +91 80 26799382, 41558618 Fax: +91-80-26798959.

Email: info@conceptia.in, Website: http://www.conceptia.in





2. **ACTION ITEMS.** CSTPL and AL- AZHAR College of Engineering & Polytechnic intend to have further discussions around Potentially collaborating on the **Action Items (Exhibit B)**, provided that this MOU does not obligate either party to do or perform any of the Action Items. The parties understand that if the parties agree to move forward with any of the Action Items, a binding agreement between the parties may need to be signed at that time or standard terms and conditions may need to be agreed to and accepted, as applicable, by one or both parties, before the parties can move forward with any specific Action Item, For example, if any intellectual Property or other materials is created jointly by the parties in connection with any of the Action Items, a binding agreement governing the rights, obligations and other terms related to the materials will need to be signed by the parties, before the parties start creating materials. Any use of software, hardware or services are subject to the terms accompanying such software, hardware or services.

3. **PARTICIPATION IN SIMILAR ACTIVITIES.** This MOU in no way restricts CSTPL or AL- AZHAR College of Engineering & Polytechnic from participating similarly with other agencies, organizations, universities, or individuals.

4. **FEES AND EXPENSES.** Unless otherwise agreed by both parties, each party shall bear all of its own costs and expenses with regard to all negotiations, performance, and any other activities relating to the subject matter of this MOU.

5. **CONFIDENTIALITY.** Each party shall: (i) protect any information provided by the other party that is identified as confidential or that should reasonably be considered confidential ("Confidential information") in the same manner such party protects its own confidential information; (ii) use Confidential Information for the sole purpose of fulfilling its obligations under this MOU; and (iii) return all Confidential information to the disclosing party promptly upon the expiration or termination of the this MOU. Confidential information may include, without limitation, computer programs, software or hardware products, product development plans, code, documentation, algorithms, know-how, trade secrets, formulas, processes, procedures, idea, research, inventions (whether patentable or not), copyrights, schematics and other technical, business, financial and marketing information, forecasts, strategies, names and expertise of employees, and consultants, customer or partner information, or customer data. In the event the receiving party is required by applicable law to disclose any Confidential Information, the receiving party agrees to limit the disclosure to a minimum amount that is legally required to be disclosed.

6. **APPLICABLE LAWS.** Each party agrees to comply with all applicable laws, rules and regulations in Conducting the Action Items. This MOU shall be governed by the laws of India. All disputes arising hereunder are submitted to the Courts of Bengaluru, India. The rights and obligations of the parties under these Agreement shall not be governed by the UN Convention on contracts for the International Sale of Goods and this MOU shall not be governed by the conflict of laws rules of any jurisdiction.

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Al-Azhar College of Engineering & Technology



**7. INDEPENDENT ACTORS.** Nothing in this MOU shall create or imply any agency, venture, Partnership, representative, or employment relationship between the parties. This MOU shall not be construed as authority for either party to act for the other party in any capacity, or to make commitments of any kind for the account of or on behalf of the other party.

**8. LIMITATIONS.** NEITHER PARTY MAKES A WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE. EXCEPT FOR CLAIMS RELATED TO A BREACH OF SECTION 5, IN NO EVENT SHALL EITHER PARTY BE LIABLE HEREUNDER FOR ANY CONSEQUENTIAL, SPECIAL, PUNITIVE, INDIRECT, INCIDENTAL OR EXEMPLARY DAMAGES OR LOSS OF PROFITS, REVENUES, GOODWILL, OPPORTUNITIES OR COST OF REPLACEMENT GOODS OR SERVICES. NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, AND TO THE FULLEST EXTENT ALLOWED UNDER APPLICABLE LAW, EACH PARTY'S LIABILITY TO THE OTHER PARTY OR ANY THIRD PARTY FOR CLAIMS RELATING TO THIS MOU, WHETHER FOR BREACH, NEGLIGENCE, INFRINGEMENT, IN TORT OR OTHERWISE SHALL BE LIMITED TO INDIAN RUPEES ONE (₹1.00) ONLY.

**9. MODIFICATION.** Modifications to this MOU shall be made by mutual consent of the parties through the issuance of a written modification, signed and dated by authorized representatives of each party, prior to any changes being performed.

**10. SURVIVAL AND BINDING PROVISIONS.** The Parties hereby agree that section 1 and sections 3-10 of this Agreement are binding. Exhibit A and the Action Items are not binding on either party. The Parties understand that nothing herein requires either Party to proceed with any proposed transaction or relationship in connection with this MOU. If subsequent legally binding definitive agreements should be executed for the Action Items, the terms of such agreements shall govern the relationship of the parties and automatically supersede any plan or intention which may be expressed in this MOU. Section 3-10 shall survive the termination or expiration of this MOU.

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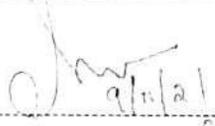
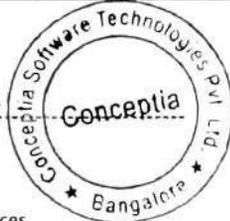
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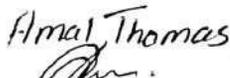
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IN WITNESS WHEREOF, the parties hereto have executed this MOU as of the later written date below.

## 1.1. Addresses and identification of the Parties

<p>AL- AZHAR College of Engineering &amp; Polytechnic Perumpillichira , Thodupuzha, Idukki, Kerala 685605 Phone: 04862 249 101 Website: www.alazharthodupuzha.org/</p>	<p>Conceptia Software Technologies Pvt. Ltd  #22, 100 Ft. Ring Road, 6th Block, 3rd Phase, B.S.K 3rd Stage, Bangalore-560085, Karnataka, India. Phone: 080 2679 9382  Website: www.conceptia.in</p>
<p>Signatures</p>	
<p> ----- Dr. P. Melvin Jose  Principal AL- AZHAR College of Engineering &amp; Polytechnic</p>	<p> ----- 10/11/2021 Mr. Jithesh K A  Director- Sales &amp; Services Conceptia Software Technologies Pvt Ltd</p> 

Witness 1:

  
-----  
Armat Thomas  
9/11/21

Witness 1:

  
-----  
D. Vignesh Kumar  
12. Vignesh Kumar

Witness 2:

  
-----  
R. Rajith  
R. Rajith  
9/11/2021

Witness 2:

  
-----  
ABIN KURIAN

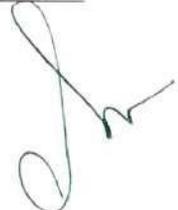
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## EXHIBIT A

### PURPOSES

1. Create a Sustainable Partnership between AL- AZHAR College of Engineering & Polytechnic and CSTPL as Industry & Technology Partner to impart futuristic technology education to address the emerging shift in manufacturing towards Industry 4.0 for the Student community. The goal is to impart skill development and enhance the employability of the students by learning & certification using the Dassault Systèmes software suite of products.

Additive Manufacturing technology plays a major role in the Industry 4.0 adoption for organizations who intend to build the smart and intelligent "Factory of the Future" Through this MOU we intend to impart training on Digitalization of Manufacturing using 3DPrinters across the Student community.

### 2. Immersive Learning for Students:

a. The training courses and webinars are designed to encourage learning of Industry 4.0 techniques, including application of digital technologies in the manufacturing environment. Students are trained on learning the concepts of creating virtual models of the products which are later validated using advanced CAE systems. The virtual models are also re-purposed to generate manufacturing information, including QA/ QC processes, technical communications etc. and thereby learning optimization and digital interaction of the process of Research & Development.

Digitalization of Manufacturing using 3DPrinters (Additive Manufacturing) where Students are evaluated based on understanding concepts and applying product knowledge into application areas. Students Industrial Project is a representation of technology use in learning and to gain practical knowledge in the domain. AL-AZHAR College of Engineering & Technology agrees to facilitate organizing Design Competitions to evaluate understanding and use of Digital tools by students thereby improving students' understanding and application of concepts to Digital Design & Manufacturing Processes through 3DPrinter machines.

### 3. Faculty Development:

a. Enable faculty members by providing the advanced courses intended to help them gain knowledge on the usage of digital design and validation tools utilizing the Dassault Systèmes Suite of CAD/CAE solutions.

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#### 4. Knowledge transfer:

- a. Inviting AL- AZHAR College of Engineering & Polytechnic top management as Speaker/delegates to flagship events of CSTPL.
- b. Inviting industry experts to AL- AZHAR College of Engineering & Polytechnic for delivering talks/seminars/workshops on latest industry trends.

#### 5. Areas of Engagement:

- a) AL- AZHAR College of Engineering & Polytechnic will Set Up their facilities(infrastructure) for training and encourage students to adopt digital design & manufacturing technology.
- b) To conduct regular CAD / CAE training program and Additive Manufacturing training, the college must have procured and installed SolidWorks Education Edition and basic FDM 3D Printer for conducting regular classes.
- c) If the college wishes to opt only for student training and certification, then the above is not mandatory.
- d) The college must provide adequate lab facilities / training room to conduct offline training sessions within the college.
- e) Promotion for the program's undertaken shall be advertised and promoted by the college through its PR and advertising channels.
- f) The promotional content related to the joint programs between College and CSTPL shall be approved by CSTPL before the start of promotion.
- g) Assessment of the courses shall be carried out jointly by both the parties.
- h) Students has to mandatorily attend the courses and pass the certification conducted by Dassault Systèmes to be eligible for certification.
- i) The INSTITUTION shall nominate a coordinator to be the single point contact for information management between college and CSTPL.
- j) Execution of this MOU and its clauses is not to be construed as a placement program offered by Dassault Systèmes or its Authorized reseller, Conceptia Software Technologies Private limited. This MOU and its aim is only restricted to provide training and certification assistance to interested students of the college.
- k) As a reseller, we shall provide assistance to students who successfully pass all the three certifications mentioned in Exhibit – B, by providing information about available opportunities which we come to know in the public domain. This must not

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be considered as an obligation from CSTPL and its purely a voluntary offering without any charges associated.

**7. Train the Trainer Program:**

When the college procures Dassault Systèmes SolidWorks Education Edition, CSTPL agrees to work with AL- AZHAR College of Engineering & Polytechnic to conduct faculty training programs for faculty members of the Institution at AL- AZHAR College of Engineering & Polytechnic facility. CSTPL agrees to conduct training for identified master trainers from the Institution on the courses that will be integrated with CSTPL digital design & manufacturing technologies and develop them into certified expert trainers. The certified expert trainers will then impart the above-mentioned courses to the students.

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## EXHIBIT B

### Training Offered as part of the MOU

Skill Development & Adoption of Industry 4.0 supporting technologies					
SL NO	Training Curriculum	Course Duration	Year	Certification	Training & Certification per Student
A	<b>Basic Product Design using 3D CAD Solution</b>	Offline - 6 Days/ 30 Hours (5hrs/day)  Online 10days (3hrs/day)	Second Year	CSWA- Certified SOLIDWORKS Associate	5000/-
	What is 3D Concept Design?				
	Difference of 2D & 3D Design				
	2D Sketches & Constraint				
	3D Design Concept – DOF				
	Creating Part Configurations				
	Creating Equation Based Design				
	Concept Design for Industry 4.0				
	Creating Virtual Assembly				
	Different types of Assembly Mates				
	About Interference & Collision Detection				
	2D Drafting & Annotations				
	About Template, Title Block				
Dimension Precision & Tolerance					
B	<b>Advanced Product Design &amp; Manufacturing</b>	Offline - 6 Days/ 30 Hours (5hrs/day)  Online 10days (3hrs/day)	Third Year	CSWP- Certified SOLIDWORKS Professional	5000/-
	Introduction to DFM & Manufacturing process				
	Industry Standards & Manufacturing Methods				
	Introduction of Sheet Metal Design & Manufacturing				
	About Bending, Forming, Punching & Dia methods				
	Introduction to Weldments & Structural Design				
	About End joints & Fabrication Cut list				
	Mould Tool Design process				
	About Core & Cavity, Side Cores, Pin & Lifters				
	Piping & Tubing concepts				
	About Pipe fittings & Standards				
	Wire harness & Routing				
	About Connection Points, Cables & Standards				
C	<b>From Student's to Professional's with SOLIDWORKS</b>	Offline - 6 Days/ 30 Hours (5hrs/day)  Online 10days (3hrs/day)	Final Year	CSWA-S Certified SOLIDWORKS Associate Simulation	5000/-
	Introduction to PDM & PLM				
	Introduction about Industry Working Environment				
	SOLIDWORKS Composer				
	Industry Documentation Process & Its Importance's				
	Experiencing the students to the technology				
	About Design Simulation & Optimization				
	Defining Static Analysis Study				
	Applying Materials, Fixtures & Load conditions				
	Generating plots to display in the Results folder				
	Creating Reports on Analysis Study				

Notes: -

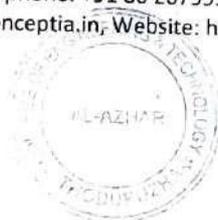
- The minimum batch size for any semester shall be 25+ participating students per semester batch.
- Student's training is offered as online and offline options. For a minimum batch size of 25+ students, we prefer to have an offline training session.
- The cost mentioned is to be paid online before the commencement of the training program

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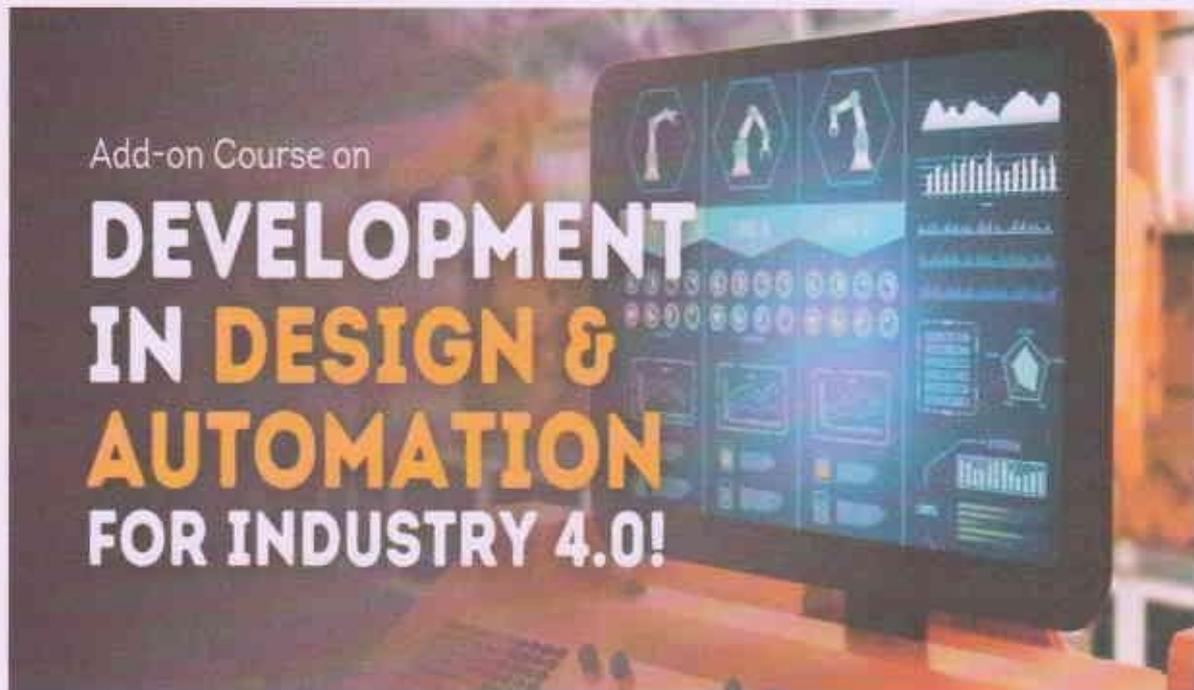
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Add-on Course on

# DEVELOPMENT IN DESIGN & AUTOMATION FOR INDUSTRY 4.0!

Organized by **Department of Mechanical Engineering**  
in association with **Conceptia Software Technologies**  
**Pvt Ltd, Bengaluru** and **IQAC**



Training by:

**Er. VINAY S**

Manager, Education & Training department

Duration of the program is from **04 to 08 July 2022**



[www.alazharthodupuzha.org](http://www.alazharthodupuzha.org)

[@alazhargroupofinstitutions](https://www.facebook.com/alazhargroupofinstitutions)



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Kumaramangalam part, Kerala, India  
WP98+CP6, Kumaramangalam part, Kerala 685608, India  
Lat 9.918175°  
Long 76.716667°  
04/07/22 10:42 AM



Kumaramangalam part, Kerala, India  
WP98+CP6, Kumaramangalam part, Kerala 685608, India  
Lat 9.918174°  
Long 76.716677°  
04/07/22 10:48 AM



*Signature*  
PRIN

Principal, Al-Azhar College of Engineering & Technology, Thodupuzha, Kerala

## APPROVAL OF ADD-ON COURSE

The department of Mechanical and Automobile Engineering, decided to conduct an add-on course during the academic year 2021-22 for second and third year Mechanical and Automobile engineering students at Al-Azhar College of Engineering and Technology. The syllabus is based on the topic "Development in Design and Automation for Industry 4.0!" for 30 hours which was framed by the department faculties and external expert. The related documents were submitted to DQAC committee for approval.

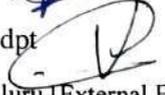
The DQAC committee reviewed and verified the attached documents and approved the syllabus for the add-on course. The committee recommended to take the attendance during the course period and feedback at the end of the course. They also suggested to provide the certificates for attended students.

### DQAC members:

BIAZ S LAL (HOD, ME) 

AMAL THOMAS (HOD,AU) 

ABHILASH SAJEEVE (Assistant Professor, ME) 

Er. VINAY S, Manager - Education & Training-dpt 

Conceptia Software Technologies Pvt Ltd, Bengaluru [External Expert]

  
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ATTENDANCE SHEET FOR ADD-ON COURSE

**Course Name :** Development in Design and Automation for Industry 4.0!

**Conducted by:** Conceptia Software Technologies Pvt Ltd, Bengaluru

**Duration of The Course:** 04<sup>th</sup>-08<sup>th</sup> July 2022

MECHANICAL ENGINEERING								
NO	REG.NUMBER	NAME	SEMESTER	04/07/2022	05/07/2022	06/07/2022	07/07/2022	08/07/2022
1	AAE19ME001	ABHIJITH BINOY	6					
2	AAE19ME002	ABHINAS FAISAL K	6					
3	AAE19ME003	AMAL K S	6					
4	AAE19ME008	KANNAN M NAIR	6					
5	AAE19ME013	ASHIK MOHAMMED	6					
6	AAE19ME014	GITTO BIJOY	6					
7	AAE19ME015	MAHIN K M	6					
8	AAE19ME016	NIJU JAYAN	6					
9	AAE19ME017	THAHA SHAMSUDEEN144	6					
10	AAE19AU001	AMEER ALI	6					

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Signature

**MECHANICAL ENGINEERING**

NO	REG.NUMBER	NAME	SEMESTER	04/07/2022	05/07/2022	06/07/2022	07/07/2022	08/07/2022	
1	AAE20ME00 2	AHAMMED ANZI	4	<del>AAE</del>	AAE	AAE	AAE	AAE	
3	AAE20ME00 4	ALTHAF SAJEED	4	AAE	AAE	AAE	AAE	AAE	
4	AAE20ME00 5	AMAL SHAJI	4	A	AAE	AAE	AAE	AAE	
6	AAE20ME00 7	ASHAL JOSEPH	4	A	A	A	A	A	
8	AAE20ME00 9	DEVADHATHAN V KARTHA	4	A	A	A	A	A	
9	AAE20ME01 0	JINAN S DAS	4	_____					A
10	AAE20ME01 1	JOEL SANNA	4	_____					
11	AAE20ME01 2	MOHAMMED SWALIH A D	4	AAE	AAE	AAE	AAE	AAE	
12	AAE20ME01 3	MUHAMMED NAZEEM	4	_____					A
13	AAE20ME01 4	MUHTHAR MUHAMMED	4	_____					A
14	AAE20ME01 7	SOORAJ SHAJI	4	_____					A
15	AAE20ME02 0	YEDUKRISHNAN K	4	_____					A
			4	_____					A

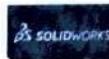


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# Conceptia K<sup>ON</sup>NECT

CERTIFIED  
Training & Support  
Provider



## Certificate of Completion

This is to certify that

**Mr. Althaf Sajeed**

has successfully completed the comprehensive training course of  
Product Design & Development using SOLIDWORKS

**From: 04 July 2022**

**To: 08 July 2022**

from "CONCEPTIA K<sup>ON</sup>NECT"



*Vinay S*  
**Vinay S**  
Manager - Training





**AZHAR COLLEGE OF ENGINEERING AND TECHNOLOGY, THODUPUZHA**  
 Affiliated to APJ Abdul Kalam Technological University and Approved by AICTE  
 Department of Mechanical Engineering

**FEEDBACK FORM FOR ADD-ON COURSE  
 EVALUATION BY STUDENTS**

Course Name : Development in Design and Automation for Industry 4.0!  
 Conducted by: Conceptia Software Technologies Pvt Ltd, Bengaluru  
 Duration of The Course: 04<sup>th</sup>-08<sup>th</sup> July 2022

		Excellent (5)	Good (4)	Average (3)	Below Average (1)
1	The instructor's teaching methods were effective	✓			
2	Punctuality & regularity in taking classes	✓			
3	The course environment allowed me to freely express my ideas and opinions	✓			
4	Trainer is responsive when students needed assistance or had questions	✓			
5	Eye contact with student	✓			
6	The instructions from trainer is clear & understandable	✓			
7	learning materials which provided from trainers that improve my understanding and increased knowledge	✓			
8	The topics covered were relevant to the course	✓			
9	Effectiveness of this course in academics	✓			
10	Rate your overall experience of the course	✓			
<b>TOTAL</b>					

REMARKS (IF ANY)

*Essential things are explained. Dedicated trainers*



*[Handwritten Signature]*

PRINCIPAL

Al-Azhar College of Engineering & Technology

*[Handwritten Signature]*  
Signature



**AZHAR COLLEGE OF ENGINEERING AND TECHNOLOGY, THODUPUZZHA**

Affiliated to APJ Abdul Kalam Technological University and Approved by AICTE

Department of Mechanical Engineering

**FEEDBACK FORM FOR ADD-ON COURSE**  
**EVALUATION BY STUDENTS**

**Course Name :** Development in Design and Automation for Industry 4.0!

**Conducted by:** Conceptia Software Technologies Pvt Ltd, Bengaluru

**Duration of The Course:** 04<sup>th</sup>-08<sup>th</sup> July 2022

		Excellent (5)	Good (4)	Average (3)	Below Average (1)
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3	The course environment allowed me to freely express my ideas and opinions	✓			
4	Trainer is responsive when students needed assistance or had questions	✓			
5	Eye contact with student	✓			
6	The instructions from trainer is clear & understandable	✓			
7	learning materials which provided from trainers that improve my understanding and increased knowledge		✓		
8	The topics covered were relevant to the course		✓		
9	Effectiveness of this course in academics		✓		
10	Rate your overall experience of the course	✓			
<b>TOTAL</b>					

REMARKS (IF ANY)

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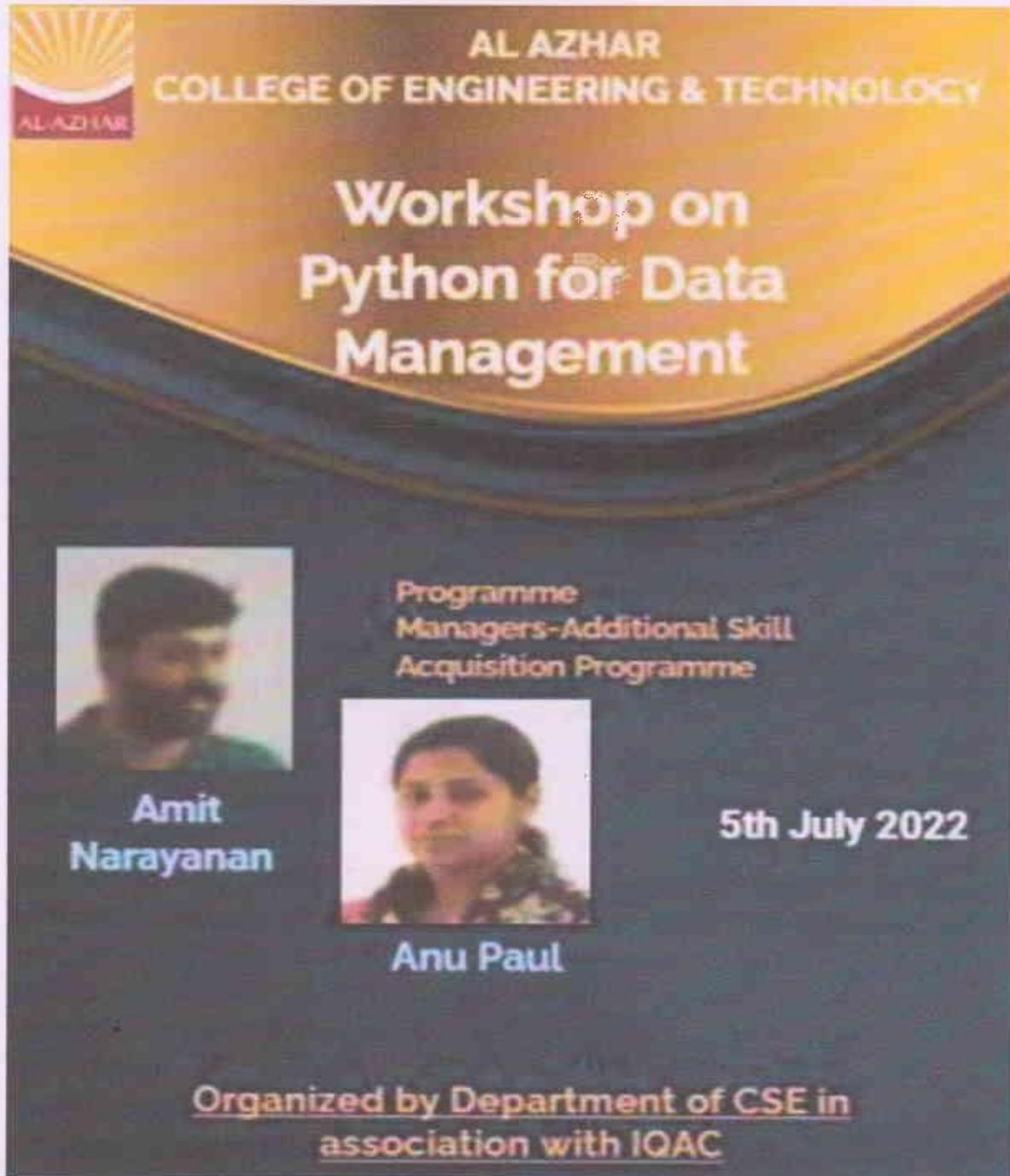
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Signature 

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Workshop on Python for Data Management



**AL AZHAR**  
**COLLEGE OF ENGINEERING & TECHNOLOGY**

**Workshop on  
Python for Data  
Management**



**Amit  
Narayanan**

Programme  
Managers-Additional Skill  
Acquisition Programme



**Anu Paul**

**5th July 2022**

Organized by Department of CSE in  
association with IQAC



*Jan*  
PRINCIPAL

Al Azhar College of Engineering & Technology



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Al-Azhar College of Engineering & Technology



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