

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

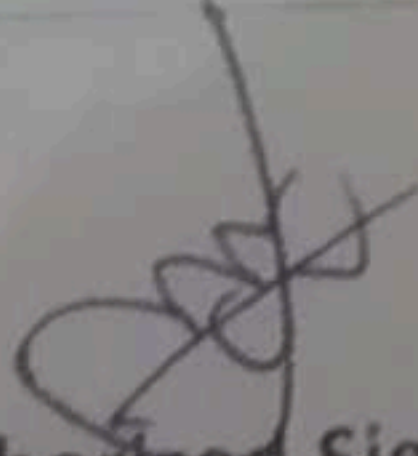
KSG/42/INTP/23-07/L1326

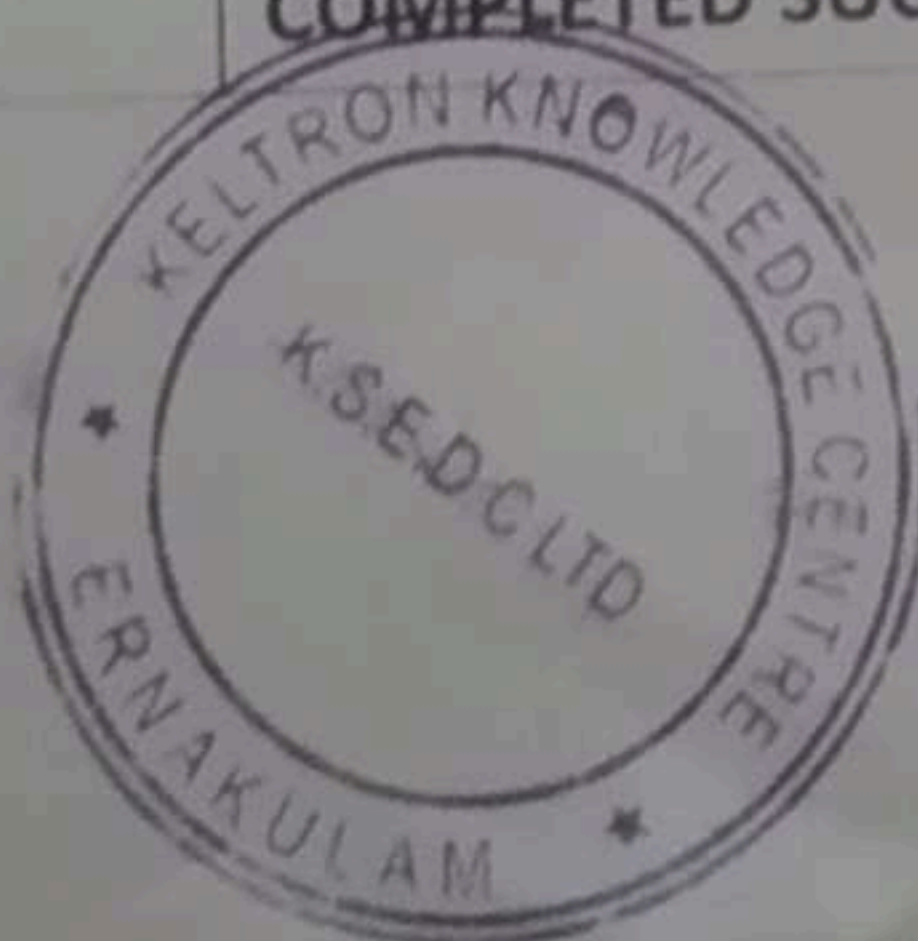
03.07.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	<b>Ms. SNEHA MARIA REJO</b>
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering & Technology, Vazhakulam P O, Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Artificial Intelligence & Data Science
Student's Registration/Roll No.	VJC21AD054
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Kaloor, Ernakulam, Kerala-682017</b>
Online Portal Registration No.	KI0246700
Roll No./Register No.	K2342I110136
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	05.05.2023 to 11.05.2023 (1 Week)
Area of Exposure	Machine Learning and Artificial Intelligence: Python Fundamentals, Introduction to Machine Learning, EDA and Visualization Programming, Supervised Learning and Unsupervised Learning, Introduction to AI
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory  
(Knowledge Services)**



Temp No: KSG/INTP/Type 177.31.04.2019

Regd. Office - Keltron House, Vellayambalam, Thiruvananthapuram, Kerala State, India Pin 695 033, Tel 0471-4094444

Visit us at our website : <http://www.keltron.org>

Doc. No: KSG/LH/05-23/014(2000)

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-07/L1319

03.07.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at **KELTRON** as per the particulars given below:

<b>Name of the Student</b>	<b>Mr. JOPHAN SHAJI</b>
<b>Name &amp; Address of the College/Institution at which the Student is Studying</b>	Viswajyothi College of Engineering & Technology, Vazhakulam P O, Muvattupuzha, Ernakulam, Kerala - 686670
<b>University/Board, which the Institution is Affiliated to</b>	A P J Abdul Kalam Technological University (KTU), Kerala
<b>Branch/Discipline of Study</b>	B. Tech in Artificial Intelligence & Data Science
<b>Student's Registration/Roll No.</b>	VJC21AD041
<b>Semester / Year of Study</b>	4 <sup>th</sup> Semester
<b>Name &amp; Address of the Institution/Centre where the Internship Program was conducted</b>	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Kaloor, Ernakulam, Kerala-682017</b>
<b>Online Portal Registration No.</b>	KI024710
<b>Roll No./Register No.</b>	K23421110129
<b>Program Category</b>	<b>INTERNSHIP</b>
<b>Period &amp; Duration of the Program</b>	05.05.2023 to 11.05.2023 (1 Week)
<b>Area of Exposure</b>	Machine Learning and Artificial Intelligence: Python Fundamentals, Introduction to Machine Learning, EDA and Visualization Programming, Supervised Learning and Unsupervised Learning, Introduction to AI
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

Authorized Signatory  
(Knowledge Services)



Temp.No. KSG/INTP/Type-1/2.01.04.2019



INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

# CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Dilan Paul nm

has completed internship on Machine Learning with Python

from 29-4-2023 to 29-5-2023 successfully.

We wish this intern all the best for future endeavours.

For Inventeron Technologies And Business Solutions LLP

*Asim*  
Managing Director

**Managing Director**





# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ABAN T RASSAK**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**


This certificate is presented to

**ABHJITH A S**

From **VISVAYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**, MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Rameesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ABID. C. ALI 4thSemester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
എ.വി.എ.പി. താങ് രവിവർമ്മ നം. 1  
മുട്ടം പി.ഒ., മൂവട്ടപ്പുഴ, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **AHAMMED AJLIN REZVI** 4th Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to **APJ Abdul Kalam Technological University & Approved by AICTE**) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam**" a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



  
**Assistant Executive Engineer**

*(Faint handwritten text in Malayalam script)*

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**AKSHAY S S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAMP O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# CERTIFICATE OF INTERNSHIP

This certificate is presented to

Alu Rose Rajesh (21RC086)

From Viswajyothi College Of Engineering And Technology  
in recognition of his/her hardwork and dedication in completing

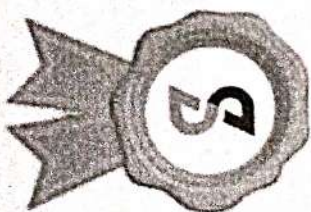
Rivet Architecture

From 15-May-2023 To 15-July-2023

The remarkable level of knowledge and skills demonstrated  
throughout the program has earned the recipient this award.

Date - 15-July-2023

  
Signature



#startupidia



ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
MINISTRY OF  
COMMERCE  
AND INDUSTRY



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **AMEENA K BASHEER** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
**Assistant Executive Engineer**  
അസി. എക്സി. എഞ്ചിനീയർ  
എ.വി.ഒ.പി. യങ്ങ് ഡിവിഷൻ നം. 1  
എസ്.പി.ഒ. മോട്ടപ്പുഴ, പിൻ - 685587

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ANANDU PRAKASH 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

എസ്.പി.ഇ. എഞ്ചിനീയർ  
എ.വി.ഒ.എ. സബ് ഡിവിഷൻ നം. 1  
എസ്.പി.ഇ, മോട്ടോപ്പുഴ, പിൻ-685587

Email: mvipaee1@gmail.com



**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**

This certificate is presented to

**ANEES MAZAR**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA,ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023

Muvattupuzha



**K Ramesh Babu**

Managing Partner

Swathy Constructions



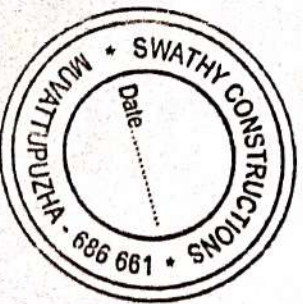
# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ASHER BIJU**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA,ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
**K Ramesh Babu**  
Managing Partner  
Swathy Constructions



**GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT**

**No: DB-521/2023**

**CERTIFICATE**

This is to certify that kum/sri **ASHISH M JOSEPRAKASH** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

**Place: Muttom**

**Date: 19.05.23**



  
**Assistant Executive Engineer**  
അസി. എക്സി. എഞ്ചിനീയർ  
മുട്ടം താലൂക്ക്, തൃശ്ശൂർ ജില്ല നം. 1  
എ.പി.ഒ. മുട്ടം, പിൻ-685587

**Email: mvipaee1@gmail.com**



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ASHKAR PUTHUKATT 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
കെ.സി.ഐ. മന്ദിരം പിൻ: 685587  
കെ.സി.ഐ, മമ്മൂട്ടുപുഴ, പിൻ-685587

Email: mvipae1@gmail.com





# SWATHY CONSTRUCTIONS

## CERTIFICATE OF TRAINING

This certificate is presented to

**ASWIN P BABU**

From VISVAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, YAZHAKULAM P O  
MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

**K Ramesh Babu**

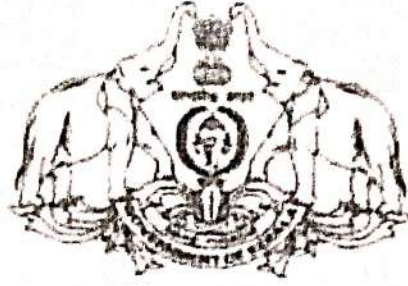
Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **DELNA SHIBU** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

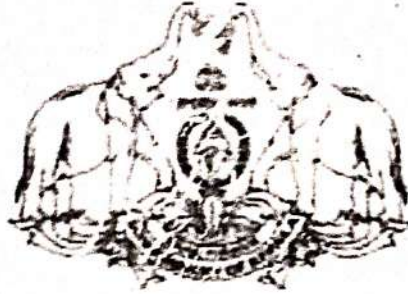
Date: **19.05.23**



**Assistant Executive Engineer**

സഹായക എ.ഇ.എ. മന്ത്രിമാർ  
കെ.എ.എ. മന്ത്രിമാർ  
എ.ഇ.എ. മന്ത്രിമാർ, കെ.എ.എ. മന്ത്രിമാർ

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that Kum/sri **EVEETTA THOMAS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **Malankara Dam - Construction of River training wall at the right side downstream of Malankara Dam** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muvattupuzha

Date: 19.05.23



  
Assistant Executive Engineer

മുഖ്യ എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറ  
കേരള സംസ്ഥാന സിദ്ധി വികസന വകുപ്പ്  
കെ.എ.എ. സെക്ഷൻ, കെ.എ. - 685547

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/ sr **FARHANA TI** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam** " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



**Assistant Executive Engineer**

കേരള സി.ഐ. ഡി.പി. ഓഫീസ്  
വഴാക്കുളം പോസ്റ്റ്, മുട്ടത്തുപുഴ, എറണാകുളം ജില്ല  
പി.ഒ. 685557

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)

**ALI P.M.**  
**'A' Class Govt. Contractor**


*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## CERTIFICATE OF INTERNSHIP

This is to certify that **KUMARI. FATHIMA SHEREEF**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O. Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thanimattom Bhagom in Mulakulam Panchayath a project of Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023

  
ALI P.M. Contractor  
Puthiyedath House  
Mudavoor P.O., Muvattupuzha  
Ali P M



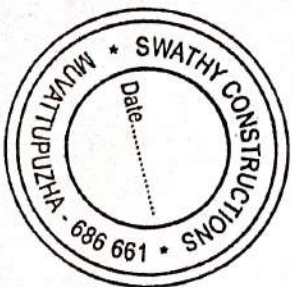


**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**


This certificate is presented to

**INDRAJ P S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
,MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri JOHN SUNNY 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

കേരള സംസ്ഥാന സിദ്ധി വികസന വകുപ്പ്  
മുട്ടം, എറണാകുളം ജില്ല. ഫോൺ: 685587

Email: mvipae1@gmail.com



**ALI P.M.**  
**'A' Class Govt. Contractor**

*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## CERTIFICATE OF INTERNSHIP

This is to certify that **KUMARI. MAIMOONA A.S.**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O, Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thannimattom Bhagom in Muiakulam Panchayath** a project of **Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023

 Contractor

**ALI P.M.**  
*Puthiyedath House* Ali P M  
*Mudavoor P.O., Muvattupuzha*  
*Mob: 9447329409*



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


**CERTIFICATE**

This is to certify that kum/sri **MUHUSINA JAMAL** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

കേരള സിദ്ധി വികസന വകുപ്പ്  
മുട്ടം, എ.പി.സി. മുട്ടം താലൂക്ക്, എറണാകുളം ജില്ല

Email: [mvlpae1@gmail.com](mailto:mvlpae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **NANDANA THULASIDHARAN** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

മുട്ടം, പി.ഒ. 685587  
കേരള സിദ്ധി, മുട്ടം, പി.ഒ. 685587  
കേരള സിദ്ധി, മുട്ടം, പി.ഒ. 685587

Email: mvipaee1@gmail.com





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that **kum/sri RUBEN JOHNS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



  
**Assistant Executive Engineer**  
സബ് ഏരിയൽ എഞ്ചിനീയർ  
എ.വി.പി. മട്ടം, സബ് ഏരിയൽ നം. 1  
എസ്.പി.ഒ. മട്ടം, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



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# GEO FOUNDATIONS & STRUCTURES PRIVATE LIMITED

Alpha Plaza, K.P. Vallon Road, Kadavanthra, Kochi - 682 020, Kerala. Tel : 0484-2316042, 2980092, Fax : 0484-2324481  
E-mail : gfsplk@gmail.com

GFS-CN/178/23

24<sup>th</sup> May 2023

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sara Jetcy, Roll No 21RC042 a 2021 – 2025 batch B-Tech in Civil Engineering student of Viswajyothi College of Engineering and Technology, Vazhakulam has undergone an internship at Geo Foundations and Structures Pvt. Ltd, Cochin from 8/05/2023 to 20/05/2023.

During this internship she was exposed to estimation for Piling and Bridges and laboratory testing activities at our Geo Technical Investigation Laboratory where she completed assignments given with enthusiasm.

She has also visited a Building Construction and Geo technical Investigation Site each in Cochin to understand the various ongoing activities.

During the internship period she has maintained a healthy attendance. We wish her the best in her future endeavors.

For GEO FOUNDATIONS AND STRUCTURES PVT. LTD

*Antani George*  
ANTANI GEORGE  
DY. GENERAL MANAGER



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Chennai : No.89, 1st Main Road, Gandhi Nagar, Adyar, Chennai-20. Tel : 044-24451972, 24430399 Fax : 044-42662045. gfsplc@gmail.com, mail@geo.net.in  
Port Blair : Near Hotel Raja Deepam, Polytechnic Road, Dollygunj, Junglighat P O, Port Blair-744 103. Tel : 03192-259658. geo.portblair@gmail.com  
www.geofoundations.net



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

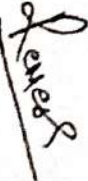
This certificate is presented to

**SIMAL RAG SHAJI**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

This certificate is presented to

**TOM J KONNACKAL**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



**K Ramesh Babu**

Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha



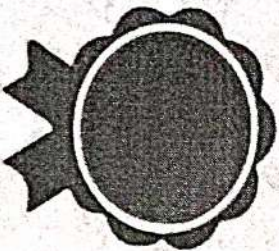


# CERTIFICATE

OF INTERNSHIP COMPLETION

IS PRESENTED TO:

**TOM J KONNACKAL**



For completing his/her internship with Academor for the duration of \_\_\_\_\_ months  
from 01/03/2023 to 30/04/2023 under the domain **AutocAD**  
During this internship program, The student was deemed to be an energetic and a  
keen learner.

We wish him/her the best success in their future endeavours.

Issue Date: 06/06/2023

Unique ID: ACM23-823

A handwritten signature in black ink, appearing to be 'A. K.' or similar.

HR MANAGER

A handwritten signature in black ink, appearing to be 'S. K.' or similar.

ACADEMIC HEAD



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

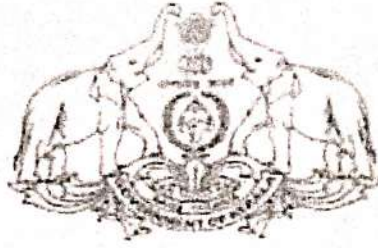
**VIVEK BIJU**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
,MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **KRISHNAJA RAJAN** 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

സബ് എക്സി. എഞ്ചിനീയർ  
മുട്ടം, മലങ്കര ഡാം സബ് ഡിവിഷൻ നം. 1  
മുട്ടം പി.ഒ, മലങ്കര ഡാം, പിൻ-685567

Email: mvipaee1@gmail.com



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ABAN T RASSAK**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ABHJITH A S**

From **VISVAYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Ramech Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ABID. C. ALI 4thSemester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
എ.വി.എ.പി. താങ് രവിവർമ്മ നം. 1  
മുട്ടം പി.ഒ., മൂവട്ടപ്പുഴ, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **AHAMMED AJLIN REZVI** 4th Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to **APJ Abdul Kalam Technological University & Approved by AICTE**) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam**" a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



  
**Assistant Executive Engineer**

*(Faint handwritten text in Malayalam script)*

Email: **mvipaee1@gmail.com**



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**AKSHAY S S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAMP O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# CERTIFICATE OF INTERNSHIP

This certificate is presented to

Alu Rose Rajesh (21RC086)

From Viswajyothi College Of Engineering And Technology  
in recognition of his/her hardwork and dedication in completing

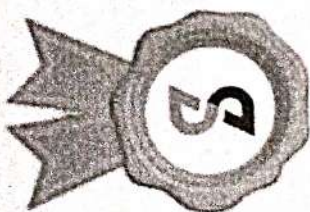
Rivet Architecture

From 15-May-2023 To 15-July-2023

The remarkable level of knowledge and skills demonstrated  
throughout the program has earned the recipient this award.

Date - 15-July-2023

  
Signature



#startupidia



ಕರ್ನಾಟಕ ಸರ್ಕಾರ  
MINISTRY OF  
COMMERCE  
AND INDUSTRY



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **AMEENA K BASHEER** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
**Assistant Executive Engineer**  
അസി. എക്സി. എഞ്ചിനീയർ  
എ.വി.ഒ.പി. യങ്ങ് ഡിവിഷൻ നം. 1  
എസ്.പി.ഒ. മോട്ടപ്പുഴ, പിൻ - 685587

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **AMRITHA . S** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

ജി. പി. ജി. മോട്ടോഴ്സ്  
കോളേജ്, സബ് ഡിവിഷൻ നം. 1  
ജി. പി. ജി. മോട്ടോഴ്സ്, പിൻ - 685587

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **ANANDU PRAKASH** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

എസ്.പി.ഒ. എഞ്ചിനീയർ  
എ.വി.ഒ.എ. സബ് ഡിവിഷൻ നം. 1  
എസ്.പി.ഒ. മോട്ടോപ്പുഴ, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**

This certificate is presented to

**ANEES MAZAR**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA,ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023

Muvattupuzha



**K Ramesh Babu**

Managing Partner

Swathy Constructions



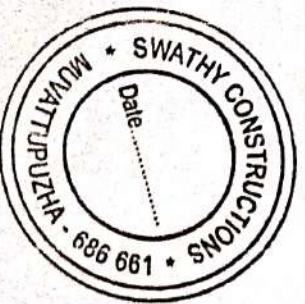
# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ASHER BIJU**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
**K Ramesh Babu**  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **ASHISH M JOSEPRAKASH** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer  
അസി. എക്സി. എഞ്ചിനീയർ  
എ.പി.ഒ. മുട്ടം, പിൻ: 685587  
എ.പി.ഒ. മുട്ടം, പിൻ-685587

Email: mvipaee1@gmail.com



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ASHKAR PUTHUKATT 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
കെ.സി.ഐ. മന്ദിരം പിൻ: 685587  
കെ.സി.ഐ, മന്ദിരം, പിൻ-685587

Email: mvipae1@gmail.com





# SWATHY CONSTRUCTIONS

## CERTIFICATE OF TRAINING

This certificate is presented to

**ASWIN P BABU**

From VISVAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, YAZHAKULAM P O  
MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

**K Ramesh Babu**

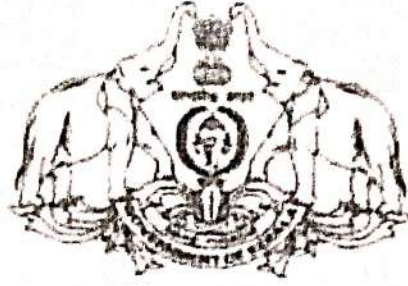
Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **DELNA SHIBU** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

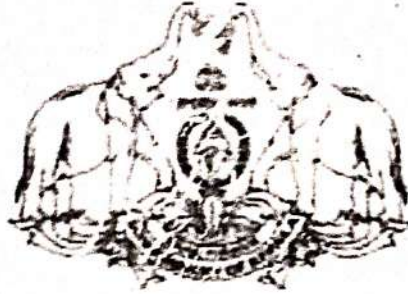
Date: **19.05.23**



**Assistant Executive Engineer**

സഹായക എ.ഇ.എ. മന്ത്രിമാർ  
കെ.എ.എ. മന്ത്രിമാർ  
എ.ഇ.എ. മന്ത്രിമാർ, കെ.എ.എ. മന്ത്രിമാർ

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that Kum/sri **EVEETTA THOMAS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **Malankara Dam - Construction of River training wall at the right side downstream of Malankara Dam** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muvattupuzha

Date: 19.05.23



  
Assistant Executive Engineer

മുഖ്യ എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറർ  
മലങ്കര റിവിർ ട്രെയിനിംഗ് വാൾ കോൺസ്ട്രക്ഷൻ പ്രോജക്ട്  
കെ.എ.ടി. റിവിർ ട്രെയിനിംഗ് വാൾ - 685547

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/ sr **FARHANA TI** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam** " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



**Assistant Executive Engineer**

കേരള സി.ഐ. ഡി.പി. ഓഫീസ്  
വഴാക്കുളം പി.ഒ. മുവറ്റപ്പുഴ  
എറണാകുളം ജില്ല

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)

**ALI P.M.**  
**'A' Class Govt. Contractor**


*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## CERTIFICATE OF INTERNSHIP

This is to certify that **KUMARI. FATHIMA SHEREEF**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O. Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thanimattom Bhagom in Mulakulam Panchayath a project of Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023

  
ALI P.M. Contractor  
Puthiyedath House  
Mudavoor P.O., Muvattupuzha  
Ali P M



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **GEORGEKUTTY SABU** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to **APJ Abdul Kalam Technological University & Approved by AICTE**) **Vazhakulam P.O Muvattupuzha**, **Ernakulam Dist. 686670 Kerala, India** has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam"** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



  
Assistant Executive Engineer  
അസി. എക്സി. എഞ്ചിനീയർ  
എ.പി.ഒ.പി സബ് ഡിവിഷൻ നം. 1  
മുട്ടം പി.ഒ, മൊട്ടുപുഴ, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)

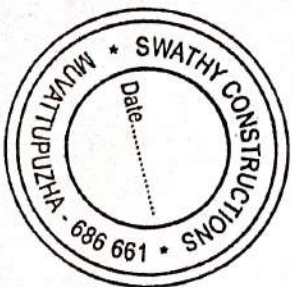


**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**


This certificate is presented to

**INDRAJ P S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
,MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri JOHN SUNNY 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

കേരള സംസ്ഥാന സിദ്ധി വികസന വകുപ്പ്,  
മി. 685587

Email: mvipae1@gmail.com



**ALI P.M.**

**'A' Class Govt. Contractor**

*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## **CERTIFICATE OF INTERNSHIP**

This is to certify that **KUMARI. MAIMOONA A.S.**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O, Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thannimattom Bhagom in Muiakulam Panchayath** a project of **Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023



Contractor

**ALI P.M.**

*Puthiyedath House* Ali P M

*Mudavoor P.O., Muvattupuzha  
Mob: 9447329409*



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


**CERTIFICATE**

This is to certify that kum/sri **MUHUSINA JAMAL** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muttom

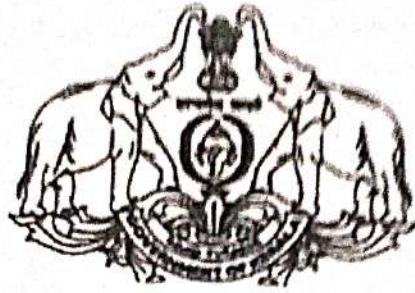
Date: 19.05.23



  
Assistant Executive Engineer

കേരള സർക്കാർ, ജലസേചന വകുപ്പ്  
മുട്ടം, പി.ഒ. 685507

Email: [mvlpae1@gmail.com](mailto:mvlpae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **NANDANA THULASIDHARAN** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: Muttom

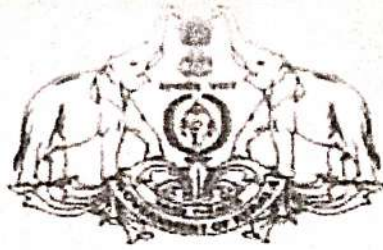
Date: 19.05.23



  
Assistant Executive Engineer

സംസ്ഥാന സിദ്ധി സഹായകരമായ  
കൃഷിയിലേക്ക് തുറന്നു വിടുന്നതിനായി  
പ്രവേശനം, കെ.എ.ടി.സി. - 685587

Email: mvipaee1@gmail.com



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **PENEENA SAM** 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
**Assistant Executive Engineer**

സംസ്ഥാന ജലസേചന വകുപ്പിന്റെ  
എക്സിക്യൂട്ടീവ് സബ് ഇൻസ്പെക്ടർ നമ്പർ 1  
എസ്. ടി. ഐ. ഡി. ഓഫീസ്, മുംബൈ - 400 001

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that **kum/sri RUBEN JOHNS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



**Assistant Executive Engineer**

മുട്ടം എ.ഇ.എ. ഏജൻസിയിൽ  
എ.ഇ.എ. സബ് ഓഫീസിൽ നം. 1  
എ.ഇ.എ. മുട്ടം, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



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# GEO FOUNDATIONS & STRUCTURES PRIVATE LIMITED

Alpha Plaza, K.P. Vallon Road, Kadavanthra, Kochi - 682 020, Kerala. Tel : 0484-2316042, 2980092, Fax : 0484-2324481  
E-mail : gfsplk@gmail.com

GFS-CN/178/23

24<sup>th</sup> May 2023

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sara Jetcy, Roll No 21RC042 a 2021 – 2025 batch B-Tech in Civil Engineering student of Viswajyothi College of Engineering and Technology, Vazhakulam has undergone an internship at Geo Foundations and Structures Pvt. Ltd, Cochin from 8/05/2023 to 20/05/2023.

During this internship she was exposed to estimation for Piling and Bridges and laboratory testing activities at our Geo Technical Investigation Laboratory where she completed assignments given with enthusiasm.

She has also visited a Building Construction and Geo technical Investigation Site each in Cochin to understand the various ongoing activities.

During the internship period she has maintained a healthy attendance. We wish her the best in her future endeavors.

For GEO FOUNDATIONS AND STRUCTURES PVT. LTD

*Antani George*  
ANTANI GEORGE  
DY. GENERAL MANAGER



| Survey | Soil Exploration | Piling | Power | Ports | Bridges | Industrial Structures | Consultancy Services |

Chennai : No.89, 1st Main Road, Gandhi Nagar, Adyar, Chennai-20. Tel : 044-24451972, 24430399 Fax : 044-42662045. gfsplc@gmail.com, mail@geo.net.in  
Port Blair : Near Hotel Raja Deepam, Polytechnic Road, Dollygunj, Junglighat P O, Port Blair-744 103. Tel : 03192-259658. geo.portblair@gmail.com  
www.geofoundations.net



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

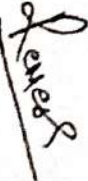
This certificate is presented to

**SIMAL RAG SHAJI**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

This certificate is presented to

**TOM J KONNACKAL**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



**K Ramesh Babu**

Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha



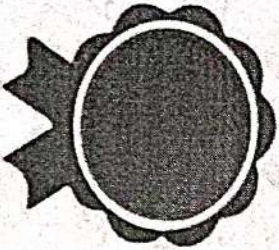


# CERTIFICATE

OF INTERNSHIP COMPLETION

IS PRESENTED TO:

**TOM J KONNACKAL**



For completing his/her internship with Academor for the duration of \_\_\_\_\_ months  
from 01/03/2023 to 30/04/2023 under the domain **AutocAD**  
During this internship program, The student was deemed to be an energetic and a  
keen learner.

We wish him/her the best success in their future endeavours.

Issue Date: 06/06/2023

Unique ID: ACM23-823

A handwritten signature in black ink, appearing to be 'A. K.' or similar.

HR MANAGER

A handwritten signature in black ink, appearing to be 'S. K.' or similar.

ACADEMIC HEAD



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

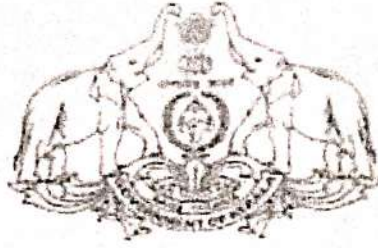
**VIVEK BIJU**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**,  
**MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
**K Ramesh Babu**  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **KRISHNAJA RAJAN** 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

സബ് എക്സി. എഞ്ചിനീയർ  
മുട്ടം, മലങ്കര ഡാം സബ് ഡിവിഷൻ നം. 1  
മുട്ടം പി.ഒ, മലങ്കര ഡാം, പിൻ-685567

Email: mvipaee1@gmail.com



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ABAN T RASSAK**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ABHJITH A S**

From **VISVATYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Rameesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ABID. C. ALI 4thSemester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
എ.പി.ഒ.പി. തമ്പി രവിവർമ്മ നമ്പ്യാർ  
ജി.പി.ഒ. മുട്ടം, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **AHAMMED AJLIN REZVI** 4th Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to **APJ Abdul Kalam Technological University & Approved by AICTE**) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam**" a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



  
**Assistant Executive Engineer**

*(Faint handwritten text in Malayalam script)*

Email: **mvipaee1@gmail.com**



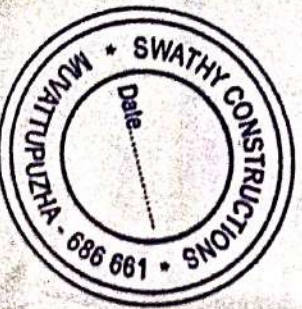
# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**AKSHAY S S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAMP O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# CERTIFICATE OF INTERNSHIP

This certificate is presented to

Alu Rose Rajesh (21RC086)

From Viswajyothi College Of Engineering And Technology  
in recognition of his/her hardwork and dedication in completing

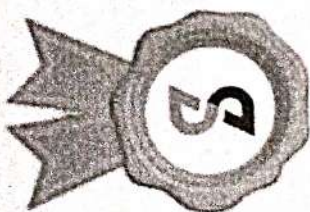
Rivet Architecture

From 15-May-2023 To 15-July-2023

The remarkable level of knowledge and skills demonstrated  
throughout the program has earned the recipient this award.

Date - 15-July-2023

  
Signature



#startupidia





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **AMEENA K BASHEER** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
**Assistant Executive Engineer**  
അസി. എക്സി. എഞ്ചിനീയർ  
എ.വി.മുഹി. തത്ത്വ വിവി.പുരം നം. 1  
എസ്. ഐ. മോട്ടോപ്പുഴ, പിൻ - 685587

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **AMRITHA . S** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

ജി. പി. ഐ. മട്ടം, പിൻ: 685587  
ജി. പി. ഐ. മട്ടം, പിൻ: 685587

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ANANDU PRAKASH 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



Assistant Executive Engineer

മുട്ടം പി.ഒ. മോട്ടോപ്പുഴ, പിൻ: 685587

Email: mvipaee1@gmail.com



**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**

This certificate is presented to

**ANEES MAZAR**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA,ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023

Muvattupuzha



**K Ramesh Babu**

Managing Partner

Swathy Constructions



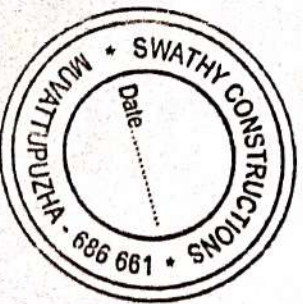
# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

**ASHER BIJU**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
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Date: 06/06/2023  
Muvattupuzha



  
**K Ramesh Babu**  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **ASHISH M JOSEPRAKASH** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer  
അസി. എക്സി. എഞ്ചിനീയർ  
മുട്ടം താലൂക്ക്, തൃശ്ശൂർ ജില്ല നം. 1  
എ.പി.ഒ. മുട്ടം, പിൻ-685587

Email: mvipaee1@gmail.com



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri ASHKAR PUTHUKATT 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

അസി. എക്സി. എഞ്ചിനീയർ  
എ.പി.എ. മന്ദിരം, ഫീസ്: 685587  
എ.പി.എ. മന്ദിരം, ഫീസ്: 685587

Email: mvipae1@gmail.com





# SWATHY CONSTRUCTIONS

## CERTIFICATE OF TRAINING

This certificate is presented to

**ASWIN P BABU**

From VISVAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, YAZHAKULAM P O  
MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

**K Ramesh Babu**

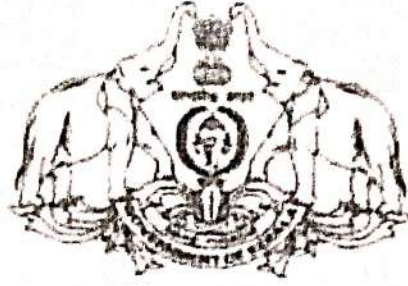
Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha





GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that kum/sri **DELNA SHIBU** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

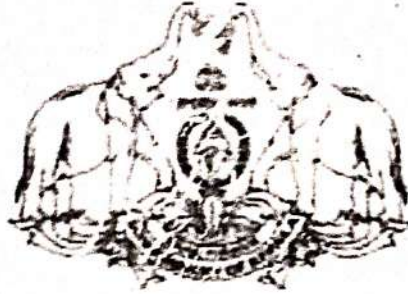
Date: **19.05.23**



**Assistant Executive Engineer**

സംസ്ഥാന ജലസേചന വകുപ്പിന്റെ  
മുഖ്യ എ.ഇ.സി. മട്ടം, കോട്ടയം, ടി.ഡി-686307

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that Kum/sri **EVEETTA THOMAS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **Malankara Dam - Construction of River training wall at the right side downstream of Malankara Dam** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muvattupuzha

Date: 19.05.23



  
Assistant Executive Engineer

മുഖ്യ എക്സിക്യൂട്ടീവ് എഞ്ചിനീയറർ  
മലങ്കര റിവിർ ട്രെയിനിംഗ് വാൾ കോൺസ്ട്രക്ഷൻ പ്രോജക്ട്  
കെ.എ.ടി. റിവിർ ട്രെയിനിംഗ് വാൾ - 685547

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/ sr **FARHANA TI** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "**MVIP -Construction of River training wall at the right side downstream of Malankara Dam** " a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



**Assistant Executive Engineer**

കേരള സർക്കാർ, ജലവിഭാഗം,  
മിഷൻ 565587, മുട്ടം

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)

**ALI P.M.**  
**'A' Class Govt. Contractor**


*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## CERTIFICATE OF INTERNSHIP

This is to certify that **KUMARI. FATHIMA SHEREEF**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O. Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thanimattom Bhagom in Mulakulam Panchayath a project of Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023

  
ALI P.M. Contractor  
Puthiyedath House  
Mudavoor P.O., Muvattupuzha  
Ali P M



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **GEORGEKUTTY SABU** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
Assistant Executive Engineer

അസി. എ.കെ.സി. എഞ്ചിനീയർ  
എ.സി.എ.സി. സബ് ഡിവിഷൻ നം. 1  
മുട്ടം പി.ഒ. മൊട്ടപ്പുഴ, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)

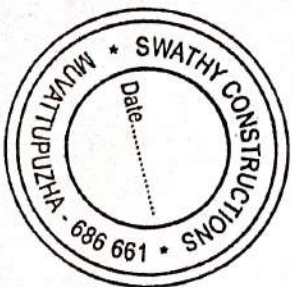


**SWATHY CONSTRUCTIONS**  
**CERTIFICATE OF TRAINING**


This certificate is presented to

**INDRAJ P S**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
,MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



Date: 06/06/2023  
Muvattupuzha

  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri JOHN SUNNY 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer  
കേരള സംസ്ഥാന സിദ്ധി വികസന വകുപ്പ്  
മുട്ടം, എറണാകുളം ജില്ല, പിൻ - 685587

Email: mvipae1@gmail.com



**ALI P.M.**

**'A' Class Govt. Contractor**

*Puthiyedath House, Vazhappilly  
Mudavoor P.O., Muvattupuzha - 686 669  
Tel: 9447329409, 8848839501  
E-mail: pmaliputhiyedath@gmail.com  
GSTIN: 32AMEPA3067H1ZK*

## CERTIFICATE OF INTERNSHIP

This is to certify that **KUMARI. MAIMOONA A.S.**, IV<sup>th</sup> Semester of B Tech Degree student of **Viswajyothi College of Engineering and Technology** (Affiliated to APJ Abdul Kalam Technological University and approved by AICTE) Vazhakulam P.O, Muvattupuzha, Ernakulam District – 686670, Kerala, India has successfully completed her 15 days Internship training in the work site of **Construction of Box culvert across Kummada thodu at Thannimattom Bhagom in Muiakulam Panchayath** a project of **Irrigation Section, Kaduthuruthi** during the period from 05.05.2023 to 20.05.2023.

Muvattupuzha

25/05/2023



Contractor

**ALI P.M.**

*Puthiyedath House* **Ali P M**

*Mudavoor P.O., Muvattupuzha  
Mob: 9447329409*



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


**CERTIFICATE**

This is to certify that kum/sri **MUHUSINA JAMAL** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23.**

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

കേരള സംസ്ഥാന ജലവിതരണ വകുപ്പ്,  
മുട്ടം, എറണാകുളം ജില്ല - 686670

Email: [mvlpae1@gmail.com](mailto:mvlpae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023


CERTIFICATE

This is to certify that kum/sri **NANDANA THULASIDHARAN** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

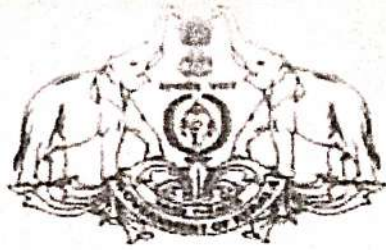
Date: 19.05.23



  
Assistant Executive Engineer

കേരള സംസ്ഥാന സിദ്ധി വികസന വകുപ്പ്  
മുട്ടം, പി.ഒ. 685587

Email: mvipaee1@gmail.com



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **PENEENA SAM** 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: **Muttom**

Date: 19.05.23



  
**Assistant Executive Engineer**

സംസ്ഥാന ജലസേചന വകുപ്പിന്റെ  
എക്സിക്യൂട്ടീവ് സബ് ഇൻസ്പെക്ടർ നമ്പർ 1  
എസ്. 104, മുട്ടം, മലപ്പുറം ജില്ല - 686670

Email: [mvipae1@gmail.com](mailto:mvipae1@gmail.com)



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

**CERTIFICATE**

This is to certify that **kum/sri RUBEN JOHNS** 4<sup>th</sup> Semester of B.Tech Degree student of **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE) Vazhakulam P.O Muvattupuzha, Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of **"MVIP -Construction of River training wall at the right side downstream of Malankara Dam "** a project of Kerala State Irrigation Department during the period from **5.05.23 to 15.05.23**.

Place: **Muttom**

Date: **19.05.23**



**Assistant Executive Engineer**

മുട്ടം എ.ഇ.എ. ഏജൻസിയിൽ  
എ.ഇ.എ. സബ് ഓഫീസിൽ നം. 1  
എ.ഇ.എ. മുട്ടം, പിൻ-685587

Email: [mvipaee1@gmail.com](mailto:mvipaee1@gmail.com)



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# GEO FOUNDATIONS & STRUCTURES PRIVATE LIMITED

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E-mail : gfsplk@gmail.com

GFS-CN/178/23

24<sup>th</sup> May 2023

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sara Jetcy, Roll No 21RC042 a 2021 – 2025 batch B-Tech in Civil Engineering student of Viswajyothi College of Engineering and Technology, Vazhakulam has undergone an internship at Geo Foundations and Structures Pvt. Ltd, Cochin from 8/05/2023 to 20/05/2023.

During this internship she was exposed to estimation for Piling and Bridges and laboratory testing activities at our Geo Technical Investigation Laboratory where she completed assignments given with enthusiasm.

She has also visited a Building Construction and Geo technical Investigation Site each in Cochin to understand the various ongoing activities.

During the internship period she has maintained a healthy attendance. We wish her the best in her future endeavors.

For GEO FOUNDATIONS AND STRUCTURES PVT. LTD

*Antani George*  
ANTANI GEORGE  
DY. GENERAL MANAGER



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Port Blair : Near Hotel Raja Deepam, Polytechnic Road, Dollygunj, Junglighat P O, Port Blair-744 103. Tel : 03192-259658. geo.portblair@gmail.com

www.geofoundations.net



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

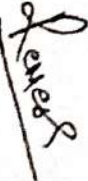
This certificate is presented to

**SIMAL RAG SHAJI**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
, MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING

This certificate is presented to

**TOM J KONNACKAL**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O**  
**,MUVATTUPUZHA, ERNAKULAM DIST.** for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.



**K Ramesh Babu**

Managing Partner

Swathy Constructions

Date: 06/06/2023

Muvattupuzha



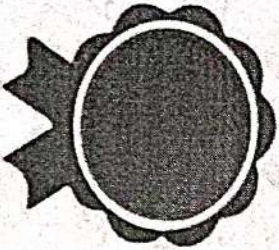


# CERTIFICATE

OF INTERNSHIP COMPLETION

IS PRESENTED TO:

TOM J KONNACKAL



For completing his/her internship with Academor for the duration of \_\_\_\_\_ months  
from 01/03/2023 to 30/04/2023 under the domain **AutocAD**  
During this internship program, The student was deemed to be an energetic and a  
keen learner.

We wish him/her the best success in their future endeavours.

Issue Date: 06/06/2023

Unique ID: ACM23-823

A handwritten signature in black ink, appearing to be 'A. L.' or similar.

HR MANAGER

A handwritten signature in black ink, appearing to be 'S. M.' or similar.

ACADEMIC HEAD



# SWATHY CONSTRUCTIONS CERTIFICATE OF TRAINING


This certificate is presented to

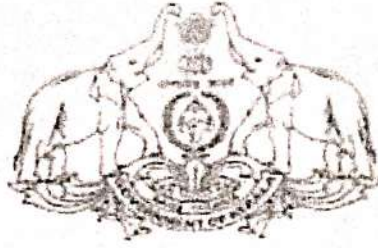
**VIVEK BIJU**

From VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM P O  
,MUVATTUPUZHA, ERNAKULAM DIST. for successfully completing a Site Training program with Swathy  
Constructions from 15/05/2023 to 20/05/2023.

Date: 06/06/2023  
Muvattupuzha



  
K Ramesh Babu  
Managing Partner  
Swathy Constructions



GOVERNMENT OF KERALA WATER RESOURCES DEPARTMENT

No: DB-521/2023

CERTIFICATE

This is to certify that kum/sri **KRISHNAJA RAJAN** 4<sup>th</sup> Semester of B.Tech Degree student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY (Affiliated to APJ Abdul Kalam Technological University & Approved by AICTE ) Vazhakulam P.O Muvattupuzha , Ernakulam Dist. 686670 Kerala, India has successfully completed his/her 5 day Internship training in the work site of "MVIP -Construction of River training wall at the right side downstream of Malankara Dam " a project of Kerala State Irrigation Department during the period from 5.05.23 to 15.05.23.

Place: Muttom

Date: 19.05.23



  
Assistant Executive Engineer

സബ് എക്സി. എഞ്ചിനീയർ  
മുട്ടം, മലങ്കര ഡാം സബ് ഡിവിഷൻ നം. 1  
മുട്ടം പി.ഒ, മലങ്കര ഡാം, പിൻ-685567

Email: mvipaee1@gmail.com

Kerala Public Works Department  
P.W.D Roads Sub Division  
Muvattupuzha,  
Ernakulam District  
Kerala State, PIN: 686661

Phone No. 0485 2831325  
e-mail:acepwdmpz@gmail.com


No. A3-149/15

Dated: 22/05/2023

### TO WHOM IT MAY CONCERN

This is to certify that **Varsha R Nair**, pursuing her 3<sup>rd</sup> year B.Tech in Civil Engineering at *Viswajyothi College of Engineering and Technology, Vazhakkulam*, has successfully completed her *Five* days unpaid training on *Introduction to Basic Concepts of Road Projects and Quality control System in PWD*, at this office.

During the period, her overall performance was very good.

  
**Assistant Executive Engineer**  
Assistant Executive Engineer  
P.W.D. Roads Sub Division  
Muvattupuzha





## INTERNSHIP CERTIFICATE

This is to certify that

**ANTONY JOBISH**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **Interior Designing** from 5<sup>th</sup> September 2022 to 10<sup>th</sup> September 2022. During this period he/she got exposed to industry relevant softwares like Sketchup, Revit etc., and actively participated in hands-on exercises.

17-09-2022

Date



**Deepak Rajan**  
Founder & CEO  
Techmaghi

Recognized by



**MSME**  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES  
GOVT. OF INDIA

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**KERALA**  
STARTUP MISSION

Kerala Public Works Department  
P.W.D Roads Sub Division  
Muvattupuzha,  
Ernakulam District  
Kerala State, PIN: 686661

Phone No. 0485 2831325  
e-mail:acepwdmpz@gmail.com

No. A3-149/15


Dated: 22/05/2023

**TO WHOM IT MAY CONCERN**

This is to certify that Fairouse Kabeer, pursuing her 3<sup>rd</sup> year B.Tech in Civil Engineering at *Viswajyothi College of Engineering and Technology, Vazhakkulam*, has successfully completed her Five days unpaid training on *Introduction to Basic Concepts of Road Projects and Quality control System in PWD*, at this office.

During the period, her overall performance was very good.



  
Assistant Executive Engineer  
Assistant Executive Engineer  
P.W.D. Roads Sub Division  
Muvattupuzha



**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Abhinand Rajeev*

for successfully completing his/her internship program at Camerinfoorks Pvt Ltd committing and providing his/her service for .....<sup>7</sup>.....days

**PYTHON**

The internship was conducted from .....**04-05-2023**..... to .....**10-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





**CAMERIN GROUP®**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Ajesh Jose*

for successfully completing his/her internship program at Camerinfolks Pvt Ltd committing and providing his/her service for .....7.....days

**PYTHON**

The internship was conducted from .....04-05-2023..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)







## INTERNSHIP CERTIFICATE

This is to certify that AKASH RAJAN from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Web Development** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read 'Rajane'.

AUTHORISED SIGNATORY



## CERTIFICATE OF ATTENDANCE

This is to certify that Alen James from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





**CAMERIN GROUP®**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Anagha PU*

for successfully completing his/her internship program at Camerinfolks Pvt Ltd committing and providing his/her service for .....<sup>7</sup>.....days

**PYTHON**

The internship was conducted from .....**04-05-2023**..... to .....**10-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





## INTERNSHIP CERTIFICATE

This is to certify that

ANANIKA A M

from

**Viswajothi College of Engineering and Technology, Muvattupuzha** has successfully completed 30 days of Internship on **Web Development** from **The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



AUTHORISED SIGNATORY



**CAMERIN GROUP®**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Anusree Vijay*

for successfully completing his/her internship program at Camerinfolks Pvt Ltd committing and providing his/her service for .....7.....days

**PYTHON**

The internship was conducted from .....04-05-2023..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





## INTERNSHIP CERTIFICATE

This is to certify that Aparna Mathew from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



## CERTIFICATE OF ATTENDANCE

This is to certify that Aslam K Thaj from  
Department of Computer Science, **Viswajyothi College of Engineering and Technology**  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





# Certificate Of Participation

THIS CERTIFICATE IS AWARDED TO

## MR. CHRISTIN JOSE BIJU

For successfully completing a 15-day internship program on the topic 'AWS', at Gyaan Innovation Lab of Indian Institute of Information Technology-Kottayam (IIIT-Kottayam). The internship was held from 17th to 31st May 2023. The intern demonstrated exceptional dedication, enthusiasm, and a strong willingness to learn throughout the internship period. We congratulate the intern for successfully completing the internship program.



(M. Radhakrishnan)  
Registrar

पञ्जाबिण / REGISTRAR  
भारतीय सूचना प्रौद्योगिकी संस्थान,  
Indian Institute of Information Technology  
कोट्टयम / Kottayam

Signed by  
Dr. M Radhakrishnan  
Registrar, IIIT Kottayam

Issued on : 09/06/2023  
Issued by : GyaanInnovationLab







## INTERNSHIP CERTIFICATE

This is to certify that Cilja Susan Paul from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



**CAMERIN GROUP**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Eldho J Babu*

for successfully completing his/her internship program at Camerinfools Pvt Ltd committing and providing his/her service for .....7.....days

**PYTHON**

The internship was conducted from .....04-05-2023..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





## CERTIFICATE OF ATTENDANCE

This is to certify that *Gokul Dev Sreenivasan* from  
Department of Computer Science, **Viswajyothi College of Engineering and Technology**  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





# CAMERIN GROUP<sup>®</sup> CERTIFICATE OF INTERNSHIP

This Certificate is proudly presented to

*Joseph Shaju*

for successfully completing his/her internship program at Camerinfolks Pvt Ltd committing and providing his/her service for .....7.....days

## PYTHON

The internship was conducted from .....04-05-2023..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





**CAMERIN GROUP**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Lephan Philip*

for successfully completing his/her Internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....7..... days

**PYTHON**

The internship was conducted from ..... 04-05-2023 ..... to ..... 10-05-2023 .....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**JYOTHYLAKSHMI BIJU**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

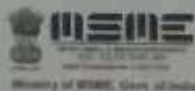
IN RECOGNITION OF HIS/HER PARTICIPATION IN  
30 DAYS INTERNSHIP PROGRAM ON  
HYBRID MOBILE APPLICATION DEVELOPMENT  
CONDUCTED BY GENZEE TECHNOLOGIES LLP  
FROM 15-05-2023 TO 15-06-2023.

08-06-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



#startupindia





# CERTIFICATE

## OF INDUSTRIAL TRAINING



This certificate is proudly presented to :

*Mishal Joe Alias*

For completing his Industrial Training program with industry mentors from April 1st 2023 to May 31st 2023. We found his performance to be commendable

**VISHNU P NAIR**  
Head of Operations,  
Intrainz



**IGNITING A BRIGHTER FUTURE**





# Certificate of Internship

is proudly presented to

## Mishal Joe Alias

This is to certify that Mr. Mishal Joe Alias has successfully completed his internship in the domain of Machine Learning from 01/04/2023 to 01/06/2023. He performed very well and we found him to be keen and enthusiastic during the program.

A handwritten signature in black ink, appearing to read 'Vishnu P Nair', with a horizontal line underneath.

**VISHNU P NAIR**

Head of Operations,

Intrainz

0423BML1226



# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**MISLUN RASHEED**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN  
30 DAYS INTERNSHIP PROGRAM ON  
HYBRID MOBILE APPLICATION DEVELOPMENT  
CONDUCTED BY GENZEE TECHNOLOGIES LLP  
FROM 15-05-2023 TO 15-06-2023.

08-06-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



**CAMERIN GROUP®**

# **CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Pooja Ramesh*

for successfully completing his/her internship program at Camerinfolks Pvt Ltd committing  
and providing his/her service for .....7.....days

**PYTHON**

The internship was conducted from .....04-05-2023..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





## CERTIFICATE OF ATTENDANCE

This is to certify that Richu Raju from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## INTERNSHIP CERTIFICATE

This is to certify that Sandra Aji from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



## INTERNSHIP CERTIFICATE

This is to certify that Sania Shabu from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY

# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**SHIBANA NAZEER**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN  
30 DAYS INTERNSHIP PROGRAM ON  
HYBRID MOBILE APPLICATION DEVELOPMENT  
CONDUCTED BY GENZEE TECHNOLOGIES LLP  
FROM 15-05-2023 TO 15-06-2023.

08-06-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661

# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**SREELAKSHMI SAI**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN  
30 DAYS INTERNSHIP PROGRAM ON  
HYBRID MOBILE APPLICATION DEVELOPMENT  
CONDUCTED BY GENZEE TECHNOLOGIES LLP  
FROM 15-05-2023 TO 15-06-2023.

08-06-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



**CAMERIN GROUP®**



# **CERTIFICATE OF INTERNSHIP**

This Certificate is proudly presented to

*Suzana Ruth*

for successfully completing his/her internship program at Camerinfools Pvt Ltd committing  
and providing his/her service for .....7.....days

**PYTHON**

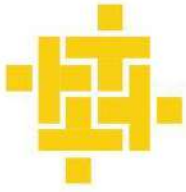
The internship was conducted from .....04-05-2023 ..... to .....10-05-2023.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)







TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

**Adharvaa. Ap**

has successfully completed course on **Data Science**  
with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-4641  
Date : 08/05/2023



## INTERNSHIP CERTIFICATE

This is to certify that ADITHYA KG from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Web Development** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read "Lalitha" or similar, written over a horizontal line.

AUTHORISED SIGNATORY



## CERTIFICATE OF ATTENDANCE

This is to certify that Albin Nelson from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Alvin Sibiy from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY



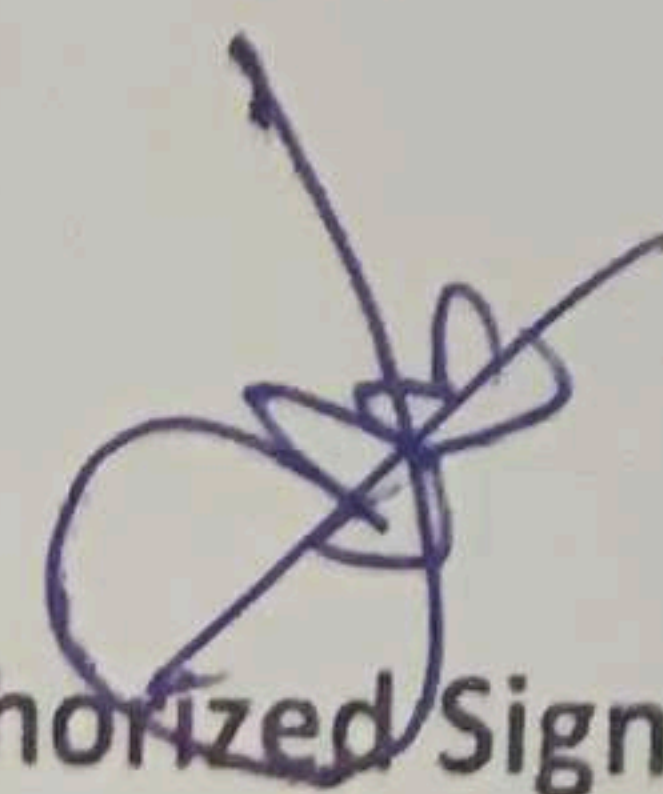
KSG/42/INTP/23-08/L3161

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	<b>Ms. AMRUTHA BENOY</b>
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam (P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Computer Science & Engineering
Student's Registration No.	VJC21CS025
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021904
Roll No./Register No.	K2342I120037
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	02.05.2023 to 15.05.2023 (2 Weeks)
Area of Exposure	Fundamentals of IoT, IoT Architecture, Programming Arduino, Interfacing Sensors, LCD, Design and Simulation of IoT Based Projects.
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory**  
**(Knowledge Services)**



Temp No: KSG/INTP/Type: 1/2 01.04.2019



## CERTIFICATE OF ATTENDANCE

This is to certify that Anandakrishnan B from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY



Date: 25 May 2023

**INTERNSHIP CERTIFICATE**

This is to certify that **Miss. Anisha**, daughter of **Charley Alappattu**, an Indian national with **Passport No. T9554181** issued on 14 June 2021, successfully completed an internship program on "Database Management System" at the Software Division of Advanced Printing Trading Co. (PRINTECHS) from 09 May 2023 to 25 May 2023

During the internship, Miss. Anisha gained comprehensive knowledge of the fundamentals of DBMS (MSSQL) and received guidance in using Microsoft SQL Management Studio. She developed problem-solving skills through practical application of concepts such as Database models, Relational Algebra, and SQL. Additionally, she learned about DDL, DML, Views, and Database Design.

We commend Miss. Anisha for her dedication, enthusiasm, and active participation during the internship. Her commitment to learning and acquiring practical skills in DBMS is praiseworthy.

Salim Zahrani

Administration & Training Manager

Advanced Printing Trading Co.





**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Ann Maria Tomy*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)





## CERTIFICATE OF ATTENDANCE

This is to certify that Arshad Roshan M from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in black ink, appearing to read 'Roshan M.', is written over a horizontal line.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Beegum Sibrin V N from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Bilal Shamz from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Nistel roji*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)

## Certificate of Internship

This is to certify that

**ANN MARY SABU**

*Viswajyothi College of Engineering and Technology Vazhakulam*

has successfully completed a 1 week Internship Program on Internet of Things (IoT) using NodeMCU, ThingSpeak, and Blynk, conducted by Rabbitsquare, a startup company in the field of technology and innovation.

Internship Details:

- Program: Internet of Things ( IoT )
- Duration: 1 Week
- Start Date: 24 - 05 - 2023
- End Date: 30 - 05 - 2023

During the internship, Ann Mary actively participated in practical sessions, workshops, and hands-on training activities focused on IoT technologies using NodeMCU, ThingSpeak, and Blynk. The program covered essential concepts and practical applications of IoT, including but not limited to:

1. Introduction to Internet of Things (IoT) and its Applications
2. Introduction to NodeMCU and its Programming
3. Sensor Interfacing and Data Acquisition with NodeMCU
4. Data Visualization and Analytics using ThingSpeak
5. Mobile and Web App interfacing and IoT Control with Blynk
6. IoT Security and Best Practices

Ann Mary demonstrated a commendable level of dedication, active participation, and a strong willingness to learn throughout the internship program. They actively engaged in hands-on exercises, collaborated with fellow participants, and showcased excellent problem-solving skills in implementing IoT solutions using NodeMCU, ThingSpeak, and Blynk.

We believe that the knowledge and skills gained by Ann Mary during this internship will serve as a strong foundation for their future endeavors in the field of Internet of Things.

We extend our sincere appreciation to Ann Mary Sabu for her active involvement and valuable contributions to the success of the internship program.

Given this day, 30 - 05 - 2023

Varghese Benny  
Chief Executive Officer  
Rabbitsquare



9846791147  
mail@rabbitsquare.in  
www.rabbitsquare.in



# Certificate of Internship

This is to certify that

**DILNA BIJU**

*Viswajyothi College of Engineering and Technology Vazhakulam*  
has successfully completed a 1 week Internship Program on Internet of Things (IoT)  
using NodeMCU, ThingSpeak, and Blynk, conducted by Rabbitsquare, a startup  
company in the field of technology and innovation.

Internship Details:

- Program: Internet of Things ( IoT )
- Duration: 1 Week
- Start Date: 24 - 05 - 2023
- End Date: 30 - 05 - 2023

During the internship, Dilna actively participated in practical sessions, workshops, and hands-on training activities focused on IoT technologies using NodeMCU, ThingSpeak, and Blynk. The program covered essential concepts and practical applications of IoT, including but not limited to:

1. Introduction to Internet of Things (IoT) and its Applications
2. Introduction to NodeMCU and its Programming
3. Sensor Interfacing and Data Acquisition with NodeMCU
4. Data Visualization and Analytics using ThingSpeak
5. Mobile and Web App interfacing and IoT Control with Blynk
6. IoT Security and Best Practices

Dilna demonstrated a commendable level of dedication, active participation, and a strong willingness to learn throughout the internship program. They actively engaged in hands-on exercises, collaborated with fellow participants, and showcased excellent problem-solving skills in implementing IoT solutions using NodeMCU, ThingSpeak, and Blynk.

We believe that the knowledge and skills gained by Dilna during this internship will serve as a strong foundation for their future endeavors in the field of Internet of Things.

We extend our sincere appreciation to Dilna Biju for her active involvement and valuable contributions to the success of the internship program.

Given this day, 30 - 05 - 2023

Varghese Benny  
Chief Executive Officer  
Rabbitsquare



9846791147  
mail@rabbitsquare.in  
www.rabbitsquare.in



# CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDELY PRESENTED TO

**AARON JOSEPH**

From VISWAJ YOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY Reg :No VJC22CS002  
for successfully completing the internship in.....**ROBOTICS**.....  
held from..... 18/09/2023 to..... 22/09/2023.....by Nyeste Venture Technologies Pvt Ltd Cochin



[www.nyesteventuretech.com](http://www.nyesteventuretech.com)



Managing Director

AIC230053



# CERTIFICATE

This is to certify that

**ELGA BINU**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **Artificial Intelligence and Computer Vision** from 23<sup>rd</sup> May 2023 to 27<sup>th</sup> May 2023. During this period she got exposed to industry relevant programming languages like Python and actively participated in hands-on exercises.

31-05-2023

Date



A handwritten signature in black ink.

Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



#startupindia





TM23AI1025



## INTERNSHIP CERTIFICATE

This is to certify that

**ALITTA CAROLINE SUNNY**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **Android & iOS App Development** from 27<sup>th</sup> December 2022 to 31<sup>st</sup> December 2022. During this period, she got exposed to industry relevant softwares like Android Studio, IntelliJ, etc., and actively participated in hands-on exercises.

06-01-2023

Date



Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



#startupindia



# Certificate of Internship

This is to certify that

**MERRIN ROY**

*Viswajyothi College of Engineering and Technology Vazhakulam*

has successfully completed a 1 week Internship Program on Internet of Things (IoT) using NodeMCU, ThingSpeak, and Blynk, conducted by Rabbitsquare, a startup company in the field of technology and innovation.

Internship Details:

- Program: Internet of Things ( IoT )
- Duration: 1 Week
- Start Date: 24 - 05 - 2023
- End Date: 30 - 05 - 2023

During the internship, Merrin actively participated in practical sessions, workshops, and hands-on training activities focused on IoT technologies using NodeMCU, ThingSpeak, and Blynk. The program covered essential concepts and practical applications of IoT, including but not limited to:

1. Introduction to Internet of Things (IoT) and its Applications
2. Introduction to NodeMCU and its Programming
3. Sensor Interfacing and Data Acquisition with NodeMCU
4. Data Visualization and Analytics using ThingSpeak
5. Mobile and Web App interfacing and IoT Control with Blynk
6. IoT Security and Best Practices

Merrin demonstrated a commendable level of dedication, active participation, and a strong willingness to learn throughout the internship program. They actively engaged in hands-on exercises, collaborated with fellow participants, and showcased excellent problem-solving skills in implementing IoT solutions using NodeMCU, ThingSpeak, and Blynk.

We believe that the knowledge and skills gained by Merrin during this internship will serve as a strong foundation for their future endeavors in the field of Internet of Things.

We extend our sincere appreciation to Merrin Roy for her active involvement and valuable contributions to the success of the internship program.

Given this day, 30 - 05 - 2023

Varghese Benny  
Chief Executive Officer  
Rabbitsquare



9846791147  
mail@rabbitsquare.in  
www.rabbitsquare.in

DSM23103



# CERTIFICATE

This is to certify that

**NANDHANA M M**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 7 day online internship in the field of **Data Science & Machine Learning** from 13<sup>th</sup> May 2023 to 19<sup>th</sup> May 2023. During this period she got exposed to industry relevant programming languages like Python and actively participated in hands-on exercises.

25-05-2023

Date



A handwritten signature in black ink.

Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



#startupindia



## Certificate of Internship

This is to certify that

**SREYA MARIA SANU**

*Viswajyothi College of Engineering and Technology Vazhakulam*

has successfully completed a 1 week Internship Program on Internet of Things (IoT) using NodeMCU, ThingSpeak, and Blynk, conducted by Rabbitsquare, a startup company in the field of technology and innovation.

Internship Details:

- Program: Internet of Things ( IoT )
- Duration: 1 Week
- Start Date: 24 - 05 - 2023
- End Date: 30 - 05 - 2023

During the internship, Sreya actively participated in practical sessions, workshops, and hands-on training activities focused on IoT technologies using NodeMCU, ThingSpeak, and Blynk. The program covered essential concepts and practical applications of IoT, including but not limited to:

1. Introduction to Internet of Things (IoT) and its Applications
2. Introduction to NodeMCU and Its Programming
3. Sensor Interfacing and Data Acquisition with NodeMCU
4. Data Visualization and Analytics using ThingSpeak
5. Mobile and Web App interfacing and IoT Control with Blynk
6. IoT Security and Best Practices

Sreya demonstrated a commendable level of dedication, active participation, and a strong willingness to learn throughout the internship program. They actively engaged in hands-on exercises, collaborated with fellow participants, and showcased excellent problem-solving skills in implementing IoT solutions using NodeMCU, ThingSpeak, and Blynk.

We believe that the knowledge and skills gained by Sreya during this internship will serve as a strong foundation for their future endeavors in the field of Internet of Things.

We extend our sincere appreciation to Sreya Maria Sanu for her active involvement and valuable contributions to the success of the internship program.

Given this day, 30 - 05 - 2023

Varghese Benny  
Chief Executive Officer  
Rabbitsquare



9846791147  
mail@rabbitsquare.in  
www.rabbitsquare.in

TM23AI1160



## INTERNSHIP CERTIFICATE

This is to certify that

**TEENA ANN JIMMY**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **Android & iOS App Development** from 27<sup>th</sup> December 2022 to 31<sup>st</sup> December 2022. During this period, she got exposed to industry relevant softwares like Android Studio, IntelliJ, etc., and actively participated in hands-on exercises.

06-01-2023

Date



Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



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**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Diya Ann Fernandez*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Elizabeth John*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3162

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	<b>Ms. ELIZABETH ZACHARIAHS</b>
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam (P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Computer Science & Engineering
Student's Registration No.	VJC21CS051
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021905
Roll No./Register No.	K23421120038
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	02.05.2023 to 15.05.2023 (2 Weeks)
Area of Exposure	Fundamentals of IoT, IoT Architecture, Programming Arduino, Interfacing Sensors, LCD, Design and Simulation of IoT Based Projects.
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory  
(Knowledge Services)**



Temp No: KSG/INTP/Type: 1/2 01 01 2019





## CERTIFICATE OF ATTENDANCE

This is to certify that Jewel Santo from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY



**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3160

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	Ms. GAYATHRY P K
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam (P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Computer Science & Engineering
Student's Registration No.	VJC21CS057
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021903
Roll No./Register No.	K23421120036
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	02.05.2023 to 15.05.2023 (2 Weeks)
Area of Exposure	Fundamentals of IoT, IoT Architecture, Programming Arduino, Interfacing Sensors, LCD, Design and Simulation of IoT Based Projects.
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory  
(Knowledge Services)**



Temp No: KSG/INTP/Type: 1/2/01/02/2023



## CERTIFICATE OF ATTENDANCE

This is to certify that *Helen Treesa Augustine* from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that James Sajan from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajan', is written over a horizontal line.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Keshav V A from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Keshav V A from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Lea Ann Jyothis from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Linta Babu from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY







## CERTIFICATE OF ATTENDANCE

This is to certify that Manumon Santhosh from  
Department of Computer Science, **Viswajyothi College of Engineering and Technology**  
Muvattupuzha has successfully completed 10 days of Internship on **Cybersecurity with**  
**Ethical Hacking** from **The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



AUTHORISED SIGNATORY



## CERTIFICATE OF ATTENDANCE

This is to certify that Meliza Babu from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Muhammed Amaan Sudheer from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that *Navya Saju* from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Pooja Joji from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





**CAMERIN GROUP®**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Riya Xavier*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

***Sania Issac***

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Sona Goji*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



# Certificate of Course Completion

## Arya Gopal

has successfully completed **Artificial Intelligence**  
with Teachnook from **01/03/2023** to **30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID: **TNINTC22-12082**  
Date **09/03/2023**



A Verified Certificate from Teachnook can provide a proof for  
a student or other institution, an employer or other institution,  
that you have successfully completed an online course

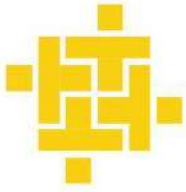


A handwritten signature in black ink.

**Academic Head**

A handwritten signature in black ink.

**Sr. HR Manager**



TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

## Sandeep Sreekumar

has successfully completed course on **Machine Learning**  
with Teachnook from **01/02/2023 To 31/03/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-3167  
Date : 01/04/2023

# CERTIFICATE OF INTERNSHIP COMPLETION

## Arya Gopal



has successfully completed Mentorship Program on **Artificial Intelligence**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-920

Date : 09/03/2023

Academic Head

Sr.HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



## INTERNSHIP CERTIFICATE

This is to certify that SEETHA SATHEESH from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Cybersecurity with Ethical Hacking** from  
**The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read 'L. Jayaraj'.

AUTHORISED SIGNATORY

# CERTIFICATE OF INTERNSHIP COMPLETION

## Abdulla Abdul Assis



has successfully completed Mentorship Program on **Artificial Intelligence**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-244

Date : 15/06/2023

Academic Head

Sr. HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



# CERTIFICATE

## OF INTERNSHIP COMPLETION

# Abdulla Abdul Assis

has successfully completed Mentorship Program on **Artificial Intelligence**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-244

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course





DSM23174



# CERTIFICATE

This is to certify that

**ABHISHEK SAJEEV NAIR**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 7 day online internship in the field of **Data Science & Machine Learning** from 13<sup>th</sup> May 2023 to 19<sup>th</sup> May 2023. During this period he got exposed to industry relevant programming languages like Python and actively participated in hands-on exercises.

25-05-2023

Date



Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



#startupindia





## INTERNSHIP CERTIFICATE

This is to certify that SHARON SUNNY from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Cybersecurity with Ethical Hacking** from  
**The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read 'Lalitha'.

AUTHORISED SIGNATORY



INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

# CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Bechu Kusian Benny

has completed internship on Machine Learning with Python

from 29-4-2023 to 29-5-2023 successfully.

We wish this intern all the best for future endeavours.



Raspberry Pi



For Inventeron Technologies And Business Solutions LLP

A handwritten signature in blue ink, appearing to read 'A. K. S.', written over a faint circular stamp.

Managing Director

Managing Director



# *Certificate*

of Completion



**Saalem Ahammed Shuaibe**

has successfully completed the hands-on project in the workshop 'AI for Students: Build Your Own Generative AI Model' conducted by AI expert and IIT Delhi alumnus, Mr. Trivikrama. The workshop is designed to equip students with skills essential in the AI era.

Issue Date: 21st August, 2023

*Rahul A*

**Rahul A**  
CEO, NxtWave



# GALACTIC PROBLEM SOLVER

The NASA International Space Apps Challenge proudly presents this certificate to

**JEBIN SHAJU**

for outstanding participation and efforts to  
solve challenges on Earth and in space

**Dr. Keith Gaddis**

Program Scientist, NASA International Space Apps Challenge

**Date**

October 7-8, 2023



Reg. No : AAB9565



INVENTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Salil K

has completed internship on Machine Learning with Python

from 7-5-2023 to 21-5-2023 successfully.

We wish this intern all the best for future endeavours.



For Inventeron Technologies And Business Solutions LLP

A handwritten signature in black ink, appearing to read "Ashim".

Managing Director

[www.inventeron.com](http://www.inventeron.com)



# CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDELY PRESENTED TO

**ALBERT JUSTIN**

From **VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,VAZHAKULAM** Reg :No **VJC21CS014**  
for successfully completing the internship in.....**WEB DESIGNING**.....  
held from..... **21/05/2023** to..... **26/05/2023**.....by **Nyeste Venture Technologies Pvt Ltd Cochin**



[www.nyesteventuretech.com](http://www.nyesteventuretech.com)



Managing Director



# Certificate of Internship

*Congratulations!*

**Amal Joe Francis**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22









## CERTIFICATE OF ATTENDANCE

This is to certify that Amina Ashraf from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

A handwritten signature in blue ink, appearing to read 'Rajam', is written over a horizontal line.

AUTHORISED SIGNATORY





# Certificate of Internship

*Congratulations!*

**Ann Mary Wilson**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22





## CERTIFICATE OF ATTENDANCE

This is to certify that Anu Anna Baby from  
Department of Computer Science, Viswajyothi College of Engineering and Technology  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY



# CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**Saalem Ahammed Shuaibe**

participated in "Web Development Front-end"  
from 01st Aug, 2023 to 30th Sep, 2023  
and successfully completed the program.



[1stop.ai/verify-certificate](https://1stop.ai/verify-certificate)

16-Oct-2023

DATE



UPENDRA NAVADA  
OVERALL COORDINATOR



# Certificate of Internship

*Congratulations!*

**Cibin B Kalapura**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22

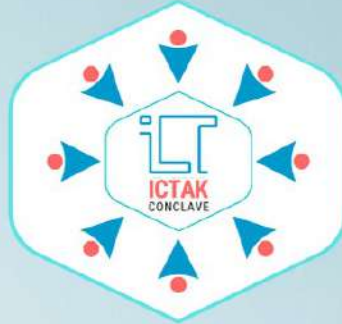




**ICT  
ACADEMY  
OF KERALA**

**ICSET 2023**

**INTERNATIONAL CONCLAVE ON  
SKILLS, ENGINEERING, AND TECHNOLOGY**



**2023 SEP 19**

**Adlux International Convention Center, Angamaly**

# **CERTIFICATE OF PARTICIPATION**

***Mr. Abhijith M. B.***

***Viswajyothi College of Engineering and Technology -  
Vazhakulam***

**ICSET23-C1961**

has actively participated in the 2023 edition of the International Conclave on Skills, Engineering, and Technology (ICSET), hosted by the ICT Academy of Kerala, themed 'The AI Gyration'. This certificate is awarded with the hope that the knowledge gained and shared during this conference will continue to inspire innovation and progress in the respective field.

**Santhosh Kurup**  
CEO, ICT Academy of Kerala



[ictkerala.org/icset](http://ictkerala.org/icset)



## INTERNSHIP CERTIFICATE

This is to certify that ELNA THANKACHAN from  
Viswajyothi College of Engineering and Technology, Muvattupuzha has successfully  
completed 30 days of Internship on **Cybersecurity with Ethical Hacking** from  
**The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read 'Zafar'.

AUTHORISED SIGNATORY





## CERTIFICATE OF ATTENDANCE

This is to certify that Elsa Anju Siby from  
Department of Computer Science, **Viswajyothi College of Engineering and Technology**  
Muvattupuzha has successfully completed 30 days of Internship on **Web Development**  
using **PHP** from **Facein Technologies Pvt Ltd, Kochi.**

May 2023

Date

  
AUTHORISED SIGNATORY





# Certificate of Internship

is proudly presented to

# George Mathews

This is to certify that Mr. George Mathews has successfully completed his internship in Cyber Security from 01/02/2023 to 31/03/2023. He performed very well and we found him to be keen and enthusiastic during the program.

A handwritten signature in black ink, appearing to read 'Vishnu P Nair', with a horizontal line underneath.

**VISHNU P NAIR**

Head of Operations,  
Intrainz

[022023BCYB676]



# CERTIFICATE

## OF COMPLETION

THIS CERTIFICATE IS PROUDELY PRESENTED TO

**GEORGE SHAJAN**

From **VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY** Reg :No VJC21CS059  
for successfully completing the internship in.....**ROBOTICS**.....  
held from.....**18/09/2023** to.....**22/09/2023**.....by Nyeste Venture Technologies Pvt Ltd Cochin



[www.nyesteventuretech.com](http://www.nyesteventuretech.com)



Managing Director



**ICT  
ACADEMY  
OF KERALA**

# Certificate of Internship

*Congratulations!*

**Gourinandana S Nair**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22



**tcs** TATA  
CONSULTANCY  
SERVICES

**Sowparnika**  
Education Infrastructure

**ibsoftware**

**U  
S  
T**

**Quest**  
global



# Certificate of Internship

*Congratulations!*

**Hanna Salam**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22





**CAMERIN GROUP<sup>®</sup>**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Hima Sony*

for successfully completing his/her internship program at Camerinfoiks Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from ..... **15-05-2023** ..... to ..... **21-05-2023** .....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



19<sup>th</sup> May 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. Hridhya James** has successfully completed her internship at our organization under the guidance of Mr. Habib Rahman P T, Lead Software Engineer, during the period **5<sup>th</sup> May 2023** to **19<sup>th</sup> May 2023**.

His conduct and behavior in the Organization, to his superiors, peers and subordinates has been exemplary. His services and contribution to the Organization will always be appreciated.

We wish her the very best in all her future endeavors.

Yours sincerely,

**For Experion Technologies (I) Pvt. Ltd.**

A handwritten signature in black ink, appearing to read "Jijo", with a horizontal line underneath.

**Jijo Joseph**  
**AGM – Human Resources**



# Certificate of Internship

*Congratulations!*

**Nevin Thomas Kovoov**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22







# Certificate of Internship

*Congratulations!*

**Jerald Mathews Jomy**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22



**tcs** TATA  
CONSULTANCY  
SERVICES

**Sowparnika**  
Education Infrastructure

**ibsoftware**

**U ·  
S ·  
T**

**Quest**  
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# Certificate of Internship

*Congratulations!*

**Samchristy M J**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

To : 2023 JUNE 21

Issued On

2023 JUNE 22



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# Certificate of Internship

*Congratulations!*

**Samchristy M J**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



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ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

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2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Athil Baby**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

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1 Month

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2023 JUNE 22





**ICT  
ACADEMY  
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# Certificate of Internship

*Congratulations!*

**Neha Geo**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
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# Certificate of Internship

*Congratulations!*

**Amanta Phelix**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

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2023 JUNE 22



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OF KERALA**

# Certificate of Internship

*Congratulations!*

**Aswathy Ravindran**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
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# Certificate of Internship

*Congratulations!*

**Adorn Joshi**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

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Issued On

2023 JUNE 22







# Certificate of Internship

*Congratulations!*

**Gowri Saadhika**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
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**Dates**

From : **2023 MAY 22**

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2023 JUNE 22



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# Certificate of Internship

*Congratulations!*

**Steve Abraham Wilson**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

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Issued On

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Elizabeth Lalson**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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Issued On

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Elizabeth Lalson**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22  
To : 2023 JUNE 21

**Issued On**

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Esther Kuriakose**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
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2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Sneha Siby**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Sneha Siby**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

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2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Abhijith M B**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
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**Dates**

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2023 JUNE 22







# Certificate of Internship

*Congratulations!*

**Austle Jaison**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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Issued On

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Austle Jaison**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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Issued On

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# Certificate of Internship

*Congratulations!*

**Jebin Shaju**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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Issued On

2023 JUNE 22





## INTERNSHIP CERTIFICATE

This is to certify that Jisha Maria Joseph from **Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully completed 30 days of Internship on **Data Science** from **The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



# Certificate of Internship

*Congratulations!*

**Karthik Dileep**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

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To : 2023 JUNE 21

**Issued On**

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Karthik Dileep**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

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**Issued On**

2023 JUNE 22





INVERTERON TECHNOLOGIES AND BUSINESS SOLUTIONS LLP

# CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms. Kevin Sunny

has completed internship on Machine Learning with Python

from 1-5-2023 to 21-5-2023 successfully.

We wish this intern all the best for future endeavours.



For Inverteron Technologies And Business Solutions LLP

*Asim*  
Managing Director

Managing Director



## INTERNSHIP CERTIFICATE

This is to certify that KRIPA SAJI from **Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully completed 30 days of Internship on **Cybersecurity with Ethical Hacking** from **The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in orange ink, appearing to read 'Kripa Saji', written over a horizontal line.

AUTHORISED SIGNATORY





# Certificate of Internship

*Congratulations!*

**Madhav Vijayan**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

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**Issued On**

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Mariya Nixon**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

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**Issued On**

2023 JUNE 22



# Microsoft Learn Student Ambassadors | 2023

This certificate is presented to:

JEBIN

SHAJU

Student Ambassador

In recognition of your hard work and dedication as  
a member of the Student Ambassadors team.



Pablo Veramendi

Global Director | Microsoft Learn Student Ambassadors





# CERTIFICATE OF INTERNSHIP

*presented to*



***Judin Jimmy***

has successfully completed one month Business and Data  
Analytics Internship on Wednesday, May 31 2023 at YBI

Foundation

Certificate ID: 14364000003547387



**Ybi Foundation**

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

(+91) 966 798 7711

[support@ybifoundation.org](mailto:support@ybifoundation.org)



**ICT  
ACADEMY  
OF KERALA**

# Certificate of Internship

*Congratulations!*

**Pearl Maria Joe**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

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2023 JUNE 22



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# Certificate of Internship

*Congratulations!*

**Prithviraj V Nair**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

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Issued On

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Ronia Sunny**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

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2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Samchristy M J**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
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KSG/32/INTP/23-08/L2748

02.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Mr. JIKSON BINOBY
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam, P O, Muvattupuzha, Kerala- 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics and Communication Engineering
Student's Registration No.	VJC21EC033
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (32), 2 <sup>nd</sup> Floor, Chempikalom Building, Bakery Jn - Women's College Road, Vazhuthacaud - 695014, Kerala
Online Portal Registration No.	KI021579
Roll No./Register No.	K2332I110005
Program Category	INTERNSHIP
Period & Duration of the Program	08.05.2023 to 14.05.2023 (1 Week)
Area of Exposure	Computer Hardware Assembling & Troubleshooting, Peer to Peer Networking, Configuration & Administration, Installing Operating Systems (Windows 10), Client/Server Model Networking Configuration & Administration
Status	COMPLETED SUCCESSFULLY

*Handwritten signature*

Authorized Signatory  
(Knowledge Services)



Temp.No./KSG/INTP/Type-1/2-02.04.2019

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/32/INTP/23-08/L2749

02.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Mr. DEVAJITH SIVADAS
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam, PO, Muvattupuzha, Kerala 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics and Communication Engineering
Student's Registration No.	VJC21EC027
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (32), 2 <sup>nd</sup> Floor, Chempikalom Building, Bakery Jn - Women's College Road, Vazhuthacaud - 695014, Kerala
Online Portal Registration No.	KI028476
Roll No./Register No.	K2332I110006
Program Category	INTERNSHIP
Period & Duration of the Program	08.05.2023 to 14.05.2023 (1 Week)
Area of Exposure	Computer Hardware Assembling & Troubleshooting, Peer to Peer Networking, Configuration & Administration, Installing Operating Systems (Windows 10), Client/Server Model Networking Configuration & Administration
Status	COMPLETED SUCCESSFULLY

*Pradeep*  
**Authorized Signatory  
(Knowledge Services)**



Temp.No.:KSG/INTP/Type-1/2.01.04.2019

Regd. Office : Keltron House, Vellayambalam, Thiruvananthapuram, Kerala State, India. Pin.695 033, Tel. 0471-4094444

Doc. No. KSG/LH/05-23/014(2000)

Visit us at our website :<http://www.keltron.org>

KSG/32/INTP/23-08/L2750

02.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Mr. ANAND S
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology Vazhakulam, PO, Muvattupuzha, Kerala 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech In Electronics and Communication Engineering
Student's Registration No.	VJC21EC015
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (32), 2 <sup>nd</sup> Floor, Chempikalom Building, Bakery Jn - Women's College Road, Vazhuthacaud - 695014, Kerala
Online Portal Registration No.	KI028491
Roll No./Register No.	K2332I110007
Program Category	INTERNSHIP
Period & Duration of the Program	08.05.2023 to 14.05.2023 (1 Week)
Area of Exposure	Computer Hardware Assembling & Troubleshooting, Peer to Peer Networking, Configuration & Administration, Installing Operating Systems (Windows 10), Client/Server Model Networking Configuration & Administration
Status	COMPLETED SUCCESSFULLY

*Hasnula*  
Authorized Signatory  
(Knowledge Services)



Temp.No./KSG/INTP/Type-1/2023.04.2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3113

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. REBA S GEORGE
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala – 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC048
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum – 682017, Kerala
Online Portal Registration No.	KI026479
Roll No./Register No.	K23421110519
Program Category	<b>INTERNSHIP</b>
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	<b>COMPLETED SUCCESSFULLY</b>



**Authorized Signatory  
(Knowledge Services)**



Temp.No.:KSG/INTP/Type-1/2-01.04.2019

**ITBG - Knowledge Services Group**

GSTIN : 32AA8CCK1319E425

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3114

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. ANJANA PRADEEP
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala – 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC016
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted :	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum – 682017, Kerala
Online Portal Registration No.	KI022719
Roll No./Register No.	K2342I110520
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Form No. KSG/INTP/Type-1/7-01-04-2019

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3119

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. ATHULYA SURESH
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala – 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC022
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum – 682017, Kerala
Online Portal Registration No.	KI022747
Roll No./Register No.	K2342I110525
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp No. KSG/INTP/Type-1/2.01.04.2019

Regd Office : Keltron House, Vellayambalam, Thiruvananthapuram, Kerala State, India. Pin:695 033, Tel: 0471-4094444

Doc. No: KSG/LH05-23/014(2000)

Visit us at our website : <http://www.keltron.org>

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in


KSG/42/INTP/23-08/L3117

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. AARATHY CHANDRAN
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC001
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum - 682017, Kerala
Online Portal Registration No.	KI022757
Roll No./Register No.	K23421110523
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp.No.:KSG/INTP/Type-1/2.01.04.2019

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in


KSG/42/INTP/23-08/L3115

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. TANIA TOM
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC053
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum - 682017, Kerala
Online Portal Registration No.	KI026477
Roll No./Register No.	K2342I110521
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp.No: KSG/INTP/Type-1/2.01.04.2019



**ITBG - Knowledge Services Group**

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Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in


KSG/42/INTP/23-08/L3110

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. CATHERINE SIBY
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC025
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulum - 682017, Kerala
Online Portal Registration No.	KI026476
Roll No./Register No.	K23421110516
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp No: KSG/INTP/Type: 2/2 01.04.2019

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GSTIN : 32AABCK1319E4Z5

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KSG/42/INTP/23-08/L3120

05.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. ANN MARIA ELDBHOSE
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam(P.O), Muvattupuzha, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electronics & Communication Engineering
Student's Registration No.	VJC21EC018
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank Of India, Kaloor, Ernakulam - 682017, Kerala
Online Portal Registration No.	KI022745
Roll No./Register No.	K23421110526
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp No.: KSG/INTP/Type-1/7.01.04.2019

# CERTIFICATE of Internship/Industrial Training

This certificate is awarded to  
**DEVALAKSHMI R**

**Who has completed 5th semester, B.tech-  
Electrical & Electronics Engineering ,**

at

**Viswajyothi College of Engineering and  
Technology, Ernakulam**

**for Completion of Internship Training at  
ELECTRICS VOLTA PVT LTD**

**Training Center & Period**

**ELECTRICS VOLTA PVT LTD Adimali, Idukki**

**From 15-05-2023 to 19-05-2023**

**Place: Adimaly**

**Date: 19-05-2023**



**FOR ELECTRICS VOLTA PVT LTD  
Managing Director**

A handwritten signature in blue ink, appearing to read "Sasi Suresh", written over a faint circular stamp.



**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg Office Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website [www.kseb.in](http://www.kseb.in) CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: [student@kseb.in](mailto:student@kseb.in)

Certificate No: HRD/Ind Trg/2023-24/2023050607002/2

Application No: 2023050607002

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ABHIJITH V SAJEEV**

who has completed 6th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Maintenance Subdivision Malankara, Idukki**

From 15-05-2023 to 19-05-2023

Place: **Malankara**  
Date: **19.05.23**



Assistant Executive Engineer

(Designation Seal)

**ASSISTANT ENGINEER** *in charge*  
**MAINTENANCE SUB DIVISION**  
**MALANKARA SNEP K. S. E. B. LTD.**  
**MERALA P.O., PIN - 686 587**





# BHARAT ENGINEERING AND FABRICATORS

Trade License No: 735/2020, GSTIN: 32AAPFB9172P1ZR

www.bharatelectrical.com

info@bharatelectrical.com

+91 62359900 00 / 33 / 55 / 99

## Certificate of Internship/Industrial Training

This certificate is awarded to Mr/Ms BASIL SKARIA Who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at Viswajyothi College of Engineering & Technology, Ernakulam for Completion of Internship Training at BHARAT ENGINEERS AND FABRICATORS in Kozhikode From 08-05-2023 to 12-05-2023

Place: 13-05-2023

Date: Kozhikode

For Bharat Engineering & Fabricators

Managing Partner.

For M/s.BHARAT ENGINEERING AND FABRICATORS

  
Mg. Parmer



Reg. Office: Premier Complex , Andi Road, Vengali, Eranhikkal P.O, Kozhikode, Kerala, IND, PIN 673 303

We are the certified integrator of



&



Lifetime member of



Established 1988



**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)  
Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala  
Website: www.kseb.in CIN: U40100KL2011SGC027424  
HRD Cell, Office of the Chief Engineer (HRM)  
Pattom, Thiruvananthapuram, Pin-695004  
Tel: 0471-2514276,2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701032/1

Application No: 2023050701032

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms SIBIN SAVIO**

who has completed 5th Semester, B.Tech-Electrical & Electronics  
Engineering, at

Viswajyothi College of Engineering and Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Kuruppampady, Ernakulam**

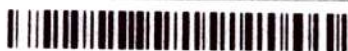
From 18-05-2023 to 23-05-2023

Place  
Date

*Kuruppampady*  
*23/5/2023*



  
Assistant Engineer  
**SUB ENGINEER IN-CHARGE**  
**ELECTRICAL SECTION**  
**RURUPPAMPADY**





**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050607002/4

Application No: 2023050607002

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ALBIN VINCENT**

who has completed 6th Semester, B.Tech-Electrical & Electronics  
Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Maintenance Subdivision Malankara, Idukki**

From 15-05-2023 to 19-05-2023

Place: *Malankara*  
Date: *19.05.23*



Assistant Executive Engineer

(Designation Seal)

**ASSISTANT ENGINEER** *in charge*  
**MAINTENANCE SUB DIVISION**  
**MALANKARA SHEP K. S. E. B. LTD.**  
**MALANKARA P.O. PIN - 685 587**





**KERALA STATE ELECTRICITY BOARD LIMITED**

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Reg Office Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website [www.kseb.in](http://www.kseb.in) CIN:U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276,2514451; Email:student@kseb.in

Certificate No. HRD/Ind.Trg/2023-24/2023050607002/1

Application No: 2023050607002

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ATHUL SATHEESH**

who has completed 6th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Maintenance Subdivision Malankara, Idukki**

From 15-05-2023 to 19-05-2023

Place: *Malankara*  
Date: *19.05.23*



Assistant Executive Engineer

(Designation Seal)

**ASSISTANT ENGINEER** *in charge*  
**MAINTENANCE SUB DIVISION**  
**MALANKARA SHeP K. S. E. B. LTD.**  
**MALANKARA P.O., PIN - 686 887**







**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg Office Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: [www.kseb.in](http://www.kseb.in) CIN:U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276,2514451; Email: [student@kseb.in](mailto:student@kseb.in)

Certificate No: HRD/Ind Trg/2023-24/2023050607002/5

Application No: 2023050607002

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms AUSTINE PRAKASH**

who has completed 6th Semester, B.Tech-Electrical & Electronics  
Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Maintenance Subdivision Malankara, Idukki**

From 15-05-2023 to 19-05-2023

Place: *Malankara*  
Date: *19-05-23*



Assistant Executive Engineer

(Designation Seal)

**ASSISTANT ENGINEER in charge**  
**MAINTENANCE SUB DIVISION**  
**MALANKARA SHEP K. S. E. B. LTD.**  
**MRALA P.O., PIN - 685 587**



# Application for Internship at KSEB Ltd

Application No: 2023050701026

To

Date: 05-05-2023

The Chief Engineer (HRM),  
Vydyuthi Bhavanam, Pattom  
Thiruvananthapuram - 695004

Sir,

Subject: Requesting permission for Internship (Application No: 2023050701026) -Reg

The following students of Viswajyothi College of Engineering & Technology who have completed 5th Semester, B.Tech in Electrical & Electronics Engineering would like to apply for internship training at Electrical Section Kuruppampady from 08-05-2023 to 12-05-2023.

Sl.no	Name of the Student	Student ID Number/DoB	Training Centre & Date Selected
1	Basil K Abraham	20RE199/24-04-2002	Electrical Section Kuruppampady, Ernakulam District from 08-05-2023 to 12-05-2023 for 5 working days

We would be obliged, if you kindly permit the above student/students to do the training at KSEB Ltd. We assure you that the above student/students will abide by the rules and regulations of KSEB Ltd.

Yours faithfully,

(College Seal)

Viswajyothi College of Engineering & Technology  
MUVATTUPUZHA  
ERNAKULAM  
KERALA  
686670



(Head of the Department) / (Principal)

VICE-PRINCIPAL  
PRINCIPAL  
VISWAJYOTHI COLLEGE OF  
ENGG. & TECHNOLOGY  
VAZHAKULAM

Place: **Vazhakulam**

Date: **06-05-2023**

Note: Please effect payment before 09-May-2023 14:57:35, else you may loose the centre selected and will be allocated to be next candidate



**KERALA STATE ELECTRICITY BOARD LIMITED**  
(Incorporated under the Indian Companies Act, 1956)  
Reg. Office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala  
Website: www.kseb.in CIN: U40100KL2011SGC027424  
HRD Cell, Office of the Chief Engineer (HRM)  
Pattom, Thiruvananthapuram, Pin-695004  
Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701026/1

Application No: 2023050701026

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms BASIL K ABRAHAM**

who has completed 5th Semester, B.Tech-Electrical & Electronics  
Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Kuruppampady, Ernakulam**

From 08-05-2023 to 12-05-2023

Place:  
Date:

*Kuruppampady*  
*15/05/2023*



Assistant Engineer  
**SUB ENGINEER IN-CHARGE**  
ELECTRICAL SECTION  
KURUPPAMPADY



**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3417

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	Ms. A S ANASIA
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE010
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021717
Roll No./Register No.	K23421110510
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory**  
(Knowledge Services)



Temp No: KSG/INTP/Type-1/2 Rev1 06 08 2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3417

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	Ms. A S ANASIA
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE010
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021717
Roll No./Register No.	K23421110510
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

  
**Authorized Signatory**  
(Knowledge Services)



Temp No: KSG/INTP/Type-1/2 Rev1 06 08 2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3419

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. AAVANI P B
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE001
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam - 682017, Kerala
Online Portal Registration No.	KI021718
Roll No./Register No.	K2342I110512
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

*Santha*  
Authorized Signatory  
(Knowledge Services)



Temp No: KSG/INTP/Type- L/2/Rev1.06.08.2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3416

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. ANUPAMA KRISHNA J
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE008
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam - 682017, Kerala
Online Portal Registration No.	KI021760
Roll No./Register No.	K23421110509
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

*Santha*  
Authorized Signatory  
(Knowledge Services)



Temp No: KSG/INTP/Form-1/1 Revd 06.08.2023



**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg. Office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050318029/1

Application No: 2023050318029

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ASHISH BENNY**

who has completed 3rd Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering and Technology, Ernakulam

for Completion of Internship Training at KSEBL

Training Centre & Period

**110 KV Substation, Pathanamthitta ,  
Pathanamthitta**

From 22-05-2023 to 26-05-2023

Place: *Pathanamthitta*  
Date: *26.05.2023*

Office Seal



*Deeja*  
Assistant Engineer,

(Designation Seal)

Assistant Engineer  
Kerala State Electricity Board Ltd.  
110kV Substation  
Pathanamthitta





**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in


KSG/42/INTP/23-08/L3415

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below:

Name of the Student	Ms. ASWATHY M
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE014
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala
Online Portal Registration No.	KI021721
Roll No./Register No.	K23421110508
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp.No. :KSG/INTP/Type-1/2-Rev1-06-08-2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

KSG/42/INTP/23-08/L3414

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the **Internship Program** conducted at KELTRON as per the particulars given below:

<b>Name of the Student</b>	<b>Ms. HARIPRIYA M R</b>
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE016
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	<b>Keltron Knowledge Centre (42), 3<sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala</b>
Online Portal Registration No.	KI021775
Roll No./Register No.	K23421110507
<b>Program Category</b>	<b>INTERNSHIP</b>
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
<b>Status</b>	<b>COMPLETED SUCCESSFULLY</b>

*Santhya*  
Authorized Signatory  
(Knowledge Services)



Form No. KSG/INTP/Type-1/2-Rev1.06.08.2023

**ITBG - Knowledge Services Group**

GSTIN : 32AABCK1319E4Z5

Phone: 0471-2724765 || Helpline No: +91 9188665545 || E-mail: iteg@keltron.org || Website Link : ksg.keltron.in

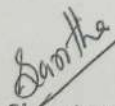
KSG/42/INTP/23-08/L3418

09.08.2023

**CERTIFICATE**

Certified that the Student has completed the Internship Program conducted at KELTRON as per the particulars given below

Name of the Student	Ms. ZUHANA ZAINAB
Name & Address of the College/Institution at which the Student is Studying	Viswajyothi College of Engineering and Technology, Vazhakulam (P.O), Muvattupuzha, Ernakulam, Kerala - 686670
University/Board, which the Institution is Affiliated to	A P J Abdul Kalam Technological University (KTU), Kerala
Branch/Discipline of Study	B. Tech in Electrical and Electronics Engineering
Student's Registration No.	VJC21EE021
Semester / Year of Study	4 <sup>th</sup> Semester
Name & Address of the Institution/Centre where the Internship Program was conducted	Keltron Knowledge Centre (42), 3 <sup>rd</sup> Floor, MES Cultural Complex, Near Reserve Bank of India, Kaloor, Ernakulam – 682017, Kerala
Online Portal Registration No.	KI021722
Roll No./Register No.	K23421110511
Program Category	INTERNSHIP
Period & Duration of the Program	15.05.2023 to 21.05.2023 (1 Week)
Area of Exposure	Embedded System Concepts, Microcontrollers-8051 and ATMEGA 328P
Status	COMPLETED SUCCESSFULLY

  
Authorized Signatory  
(Knowledge Services)



Temp.No.:KSG/INTP/Type:1/2-Rev1-06-08-2023

# CERTIFICATE of Internship/Industrial Training

This certificate is awarded to  
**DEVALAKSHMI R**

**Who has completed 5th semester, B.tech-  
Electrical & Electronics Engineering ,**

at

**Viswajyothi College of Engineering and  
Technology, Ernakulam**

**for Completion of Internship Training at  
ELECTRICS VOLTA PVT LTD**

**Training Center & Period**

**ELECTRICS VOLTA PVT LTD Adimali, Idukki**

**From 15-05-2023 to 19-05-2023**

**Place: Adimaly**

**Date: 19-05-2023**



**FOR ELECTRICS VOLTA PVT LTD  
Managing Director**

A handwritten signature in blue ink, appearing to read "Sasi Suresh", written over a faint circular stamp.



**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701034/1

Application No: 2023050701034

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ADITHYA BINOY**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

Training Centre & Period

Electrical Section Kuruppampady, Ernakulam

From 18-05-2023 to 23-05-2023

Place:  
Date:

Kuruppampady  
23/05/2023



  
Assistant Engineer  
**SUB ENGINEER IN-CHARGE**  
ELECTRICAL SECTION  
KURUPPAMPADY



**KERALA STATE ELECTRICITY BOARD LIMITED**

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Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701035/1

Application No: 2023050701035

## Certificate of Internship/Industrial Training

This certificate is awarded to

Mr/Ms **EDWIN VINCENT**

who has completed 5th Semester, B.Tech-Electrical & Electronics  
Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

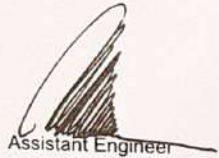
### Training Centre & Period

**Electrical Section Kolencherry, Ernakulam**

From 15-05-2023 to 19-05-2023

Place:  
Date:

Kolencherry  
19/05/23



Assistant Engineer

Assistant Engineer  
(Designation Seal)  
KSEB Ltd., Electrical Section  
Kolencherry - 682 311





**KERALA STATE ELECTRICITY BOARD LIMITED**

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Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701034/1

Application No: 2023050701034

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ADITHYA BINOY**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

Training Centre & Period

Electrical Section Kuruppampady, Ernakulam

From 18-05-2023 to 23-05-2023

Place:  
Date:

Kuruppampady  
23/05/2023



  
Assistant Engineer  
**SUB ENGINEER IN-CHARGE**  
ELECTRICAL SECTION  
KURUPPAMPADY



**KERALA STATE ELECTRICITY BOARD LIMITED**

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Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701036/1

Application No: 2023050701036

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms MERIN CHACKO**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Kolencherry, Ernakulam**

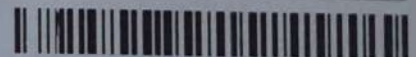
From 15-05-2023 to 19-05-2023

Place:  
Date:

Kolencherry  
19/05/23



Assistant Engineer  
KSEB Ltd., Electrical Section  
Kolencherry - 682 311







**KERALA STATE ELECTRICITY BOARD LIMITED**

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Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701044/1

Application No: 2023050701044

# Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ALBIN NIJU**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Vazhakkulam, Ernakulam**

From 15-05-2023 to 19-05-2023

Place: *Vazhakkulam*  
Date: *19.05.2023*

Office Seal



Assistant Engineer

(Designation Seal)

ഇലക്ട്രിക്കൽ സെക്ഷൻ  
കെ.എസ്.ഇ.ബി. ലിമിറ്റഡ്  
ന്യാഴക്കുളം, മുടിക്കൽ P.O.





**KERALA STATE ELECTRICITY BOARD LIMITED**

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Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701044/2

Application No: 2023050701044

# Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms HELES BENNY**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Vazhakkulam, Ernakulam**

From 15-05-2023 to 19-05-2023

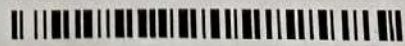
Place: Vazhakkulam  
Date: 19.05.2023



Assistant Engineer

(Designation Seal)

അസി. എഞ്ചിനീയർ  
ഇലക്ട്രിക്കൽ സെക്ഷൻ  
കെ. എസ്. ഇ. ബി. ലിമിറ്റഡ്  
വാഴക്കുളം, മുടിക്കൽ P.O





**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: www.kseb.in    CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023050701044/3

Application No: 2023050701044

# Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms ABHIJITH BABU**

who has completed 5th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Electrical Section Vazhakkulam, Ernakulam**

From 15-05-2023 to 19-05-2023

Place: *Vazhakkulam*  
Date: *19.05.2023*

Office Seal



Assistant Engineer

(Designation Seal)

അസി. എഞ്ചിനീയറായ  
ഇലക്ട്രിക്കൽ സെക്ഷൻ  
കെ.എസ്.ഇ.ബി. ലിമിറ്റഡ്  
വാഴക്കുളം, മുടിക്കൽ P.ഒ.





**KERALA STATE ELECTRICITY BOARD LIMITED**

(Incorporated under the Indian Companies Act, 1956)

Reg Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala

Website: [www.kseb.in](http://www.kseb.in) CIN: U40100KL2011SGC027424

HRD Cell, Office of the Chief Engineer (HRM)

Pattom, Thiruvananthapuram, Pin-695004

Tel: 0471-2514276,2514451; Email: [student@kseb.in](mailto:student@kseb.in)

Certificate No: HRD/Ind.Trg/2023-24/2023050607002/3

Application No: 2023050607002

## Certificate of Internship/Industrial Training

This certificate is awarded to

**Mr/Ms NANDU DILEEP**

who has completed 6th Semester, B.Tech-Electrical & Electronics Engineering, at

Viswajyothi College of Engineering & Technology, Ernakulam

for Completion of Internship Training at KSEBL

### Training Centre & Period

**Maintenance Subdivision Malankara, Idukki**

From 15-05-2023 to 19-05-2023

Place: *Malankara*  
Date: *19.05.23*



Assistant Executive Engineer

(Designation Seal)

**ASSISTANT ENGINEER** *in charge*  
**MAINTENANCE SUB DIVISION**  
**MALANKARA SHEP K. S. E. B. LTD.**  
**MRALA P.O., PIN - 685 587**





## INTERNSHIP CERTIFICATE

This is to certify that BEN LEO SABU from \_\_\_\_\_

**Viswajothi College of Engineering and Technology, Muvattupuzha** has successfully completed 30 days of Internship on Python Django from **The Federal Academy For Cyber Education, Kochi.**

May 2023

Date



AUTHORISED SIGNATORY



## INTERNSHIP CERTIFICATE

This is to certify that Adwaith Aji from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



## INTERNSHIP CERTIFICATE

This is to certify that Aisha Shaji from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in blue ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY



# CERTIFICATE OF COMPLETION



This certificate is presented to

*Asish Chandra*

in recognition of their successful completion of the Online Internship Program in **Game Development** using Unity3D organized by TILTEDU between **June 26 to July 7, 2023.**

**Akhilesh K S**  
R & D Specialist

**Varun A R**  
Unity Architect

**Nikhil Chandran**  
Chief Executive Officer





# CERTIFICATE OF COMPLETION



This certificate is presented to

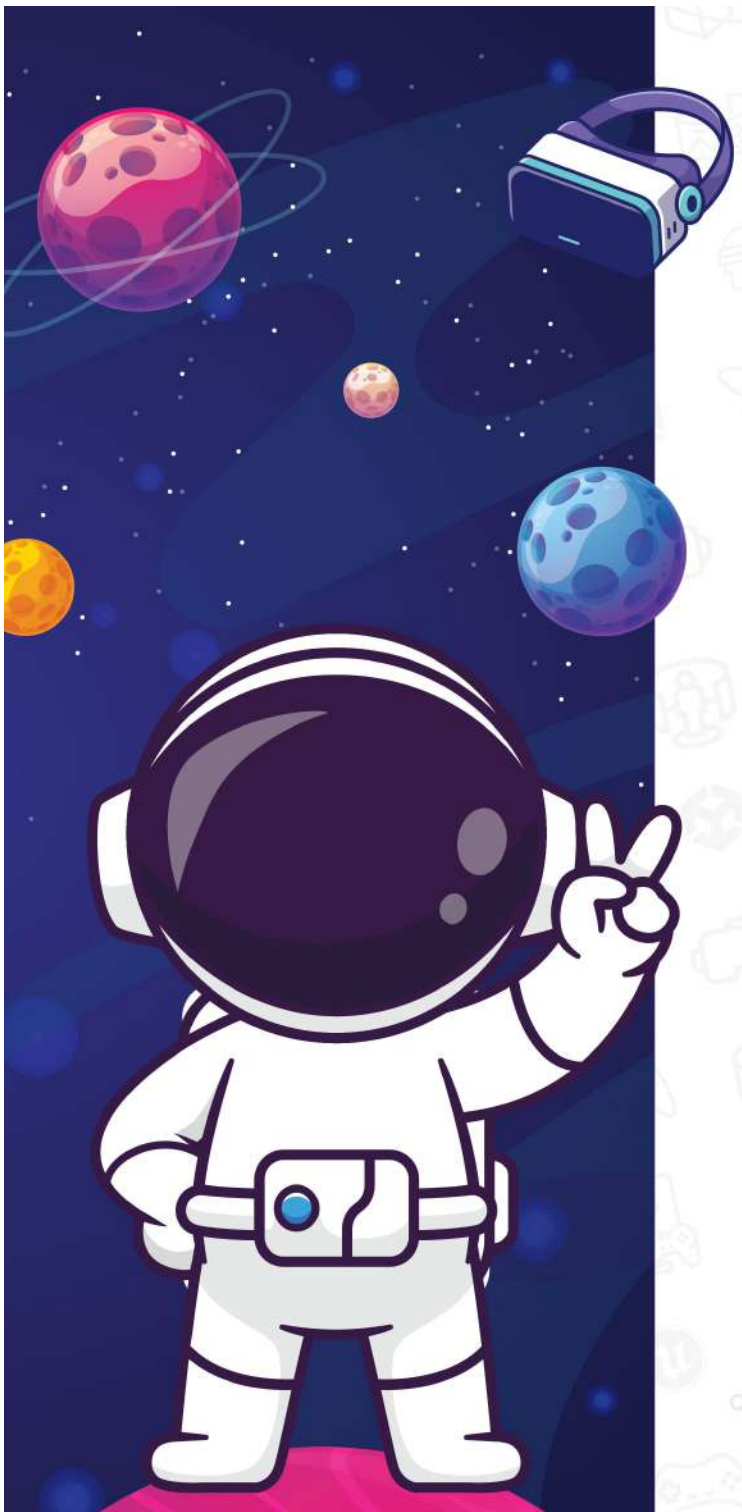
*Don Joshy*

in recognition of their successful completion of the Online Internship Program in **Game Development** using Unity3D organized by TILTEDU between **June 26 to July 7, 2023.**

**Akhilesh K S**  
R & D Specialist

**Varun A R**  
Unity Architect

**Nikhil Chandran**  
Chief Executive Officer



# CERTIFICATE OF COMPLETION



This certificate is presented to

*Asish Chandra*

in recognition of their successful completion of the Online Internship Program in **Game Development** using Unity3D organized by TILTEDU between **June 26 to July 7, 2023.**

**Akhilesh K S**  
R & D Specialist

**Varun A R**  
Unity Architect

**Nikhil Chandran**  
Chief Executive Officer



**CAMERIN GROUP®**

**CERTIFICATE OF INTERNSHIP**



This Certificate is proudly presented to

*Yadhukrishnan Namboothiri M K*

for successfully completing his/her internship program at Camerinfoles Pvt Ltd committing  
and providing his/her service for .....<sup>7</sup>.....days

**DATA SCIENCE & MACHINE LEARNING**

The internship was conducted from .....**15-05-2023**..... to .....**21-05-2023**.....

We wish him/her every success in life.

**RICHU SOJAN**  
(Director)



## INTERNSHIP CERTIFICATE

This is to certify that *Dony Vincent* from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read "Rajan", written over a horizontal line.

AUTHORISED SIGNATORY



## INTERNSHIP CERTIFICATE

This is to certify that ALEESHA ANN MARY SHIBU from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on Python Django from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to be 'Rajesh'.

AUTHORISED SIGNATORY

# CERTIFICATE

OF OUTSTANDING PERFORMANCE

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**Francis Joshy**

In recognition of outstanding performance during his/her  
Internship with Academor

We wish him/her the best success in their future endeavours.



HR MANAGER



ACADEMIC HEAD



## CERTIFICATE OF COURSE COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

**FRANCIS JOSHY**

For completing his/her internship under the domain **Web Development** from Academor  
of duration 2 months from 01/04/2023 to 31/05/2023

During this internship program, The student was deemed to be an energetic and a keen  
learner.

HR MANAGER

ACADEMIC HEAD

Issue Date: **21/06/2023**

Unique ID: **ACM23-1708**





**ICT  
ACADEMY  
OF KERALA**

# Certificate of Internship

*Congratulations!*

**Albin Bejoy**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22



**tcs** TATA  
CONSULTANCY  
SERVICES

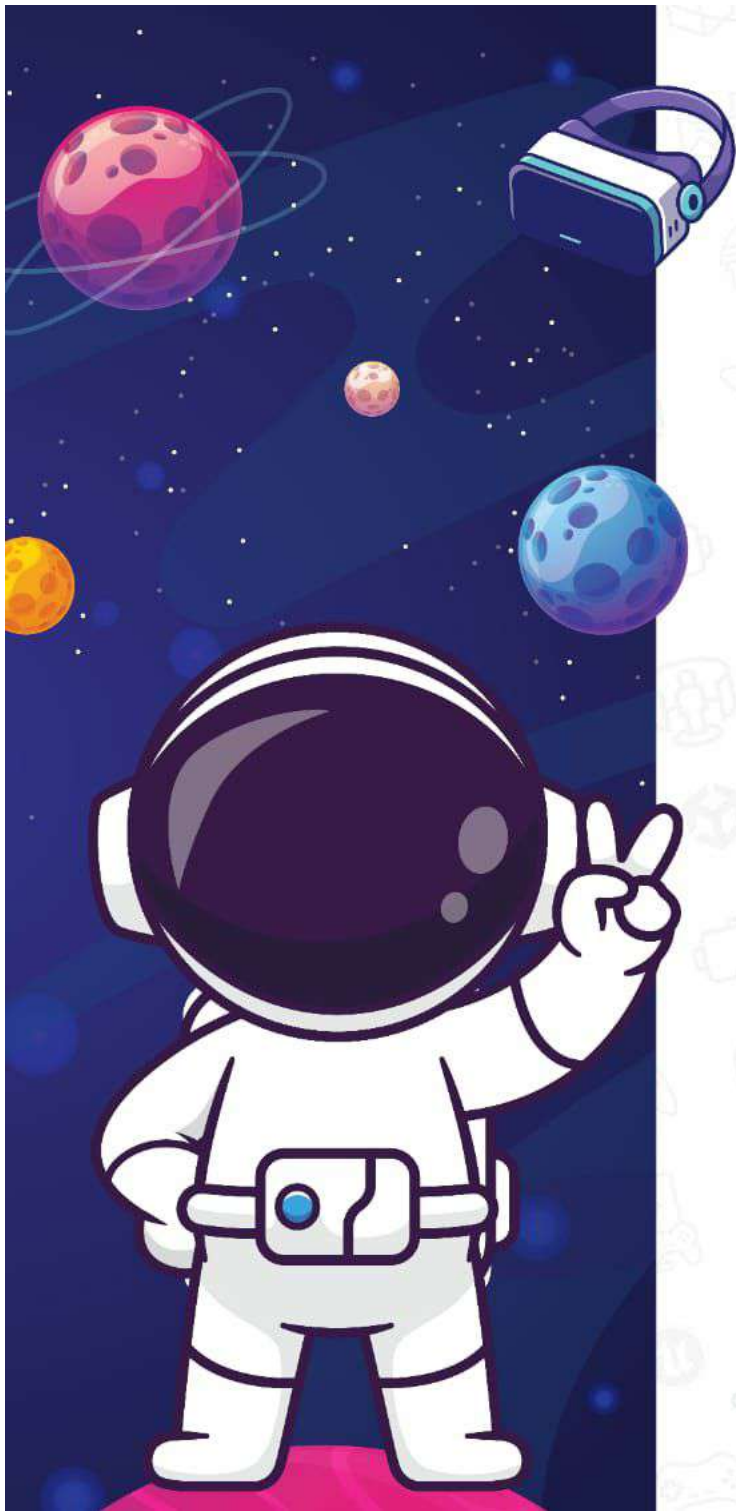
**Sowparnika**  
Education Infrastructure

**ibsoftware**

**U  
S  
T**

**Quest**  
global





# CERTIFICATE OF COMPLETION



This certificate is presented to

*Don Joshy*

in recognition of their successful completion of the Online Internship Program in **Game Development** using Unity3D organized by TILTEDU between **June 26 to July 7, 2023.**

**Akhilesh K S**  
R & D Specialist

**Varun A R**  
Unity Architect

**Nikhil Chandran**  
Chief Executive Officer



## INTERNSHIP CERTIFICATE

This is to certify that ABHIJITH SHAJI from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Digital Forensics** from **The Federal Academy  
For Cyber Education, Kochi.**

May 2023

Date



AUTHORISED SIGNATORY





# Certificate of Internship

*Congratulations!*

**Nikhil S**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Shaun Jo Agi**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22





**ICT  
ACADEMY  
OF KERALA**

# Certificate of Internship

*Congratulations!*

**Rahul K**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22



**tcs** TATA  
CONSULTANCY  
SERVICES

**Sowparnika**  
Education Infrastructure

**ibsoftware**

**U  
S  
T**

**Quest**  
global



# Certificate of Internship

*Congratulations!*

**Mariamol K K**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
**1 Month**

**Dates**

From : **2023 MAY 22**

To : **2023 JUNE 21**

**Issued On**

2023 JUNE 22





# Certificate of Internship

*Congratulations!*

**Anakha Biju**

**Full Stack Development (MERN)**

This certificate is a testimony of your completion of the one-month Summer Internship with the ICT Academy of Kerala in the given project.

A handwritten signature in blue ink, appearing to read 'Santhosh Kurup'.

**Mr. Santhosh Kurup**  
CEO  
ICT Academy of Kerala



INTERNSHIP OFFERED BY  
ICT ACADEMY OF KERALA

DURATION  
1 Month

**Dates**

From : 2023 MAY 22

To : 2023 JUNE 21

Issued On

2023 JUNE 22



**tcs** TATA  
CONSULTANCY  
SERVICES

**Sowparnika**  
Education Infrastructure

**ibsoftware**

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04/05/23  
Monday

# Module - 1 Introduction to Operating System.

Operating System is a program that manages computer hardware.  
→ It acts as an <sup>interface</sup> intermediary between user and hardware.  
→ It controls and coordinates all the activities of the hardware.

Different Operating Systems are Windows, Linux, Unix, MacOS, iOS, Android, etc.

Operating Systems are classified based on the type of system they are used.

- Personal Computer OS (eg: Windows, Linux, MacOS)
- Mainframe Computer OS (eg: z/os)
- Handheld Computer OS (eg: Android, iOS)

## Goals of OS:

- \* Execute user programs and make solving user problems easier.
- \* Use the computer hardware in an efficient manner.
- \* Make the computer system convenient to use.

## System Structure (computer)

- \* Computer system can be divided into 4 components:
  - Hardware - provides basic computing resources.  
eg: CPU, memory, I/O devices.
  - Operating system - controls and coordinates use of hardware among various applications and users.
  - Application programs - define the way in which the system resources are used to solve the computing problems of users.  
eg: word processor, compilers.
  - Users.  
eg: people, machine.

Application programs are programs that perform specific work for us. These programs have an application word processor for content creation, compilers for program compilation.

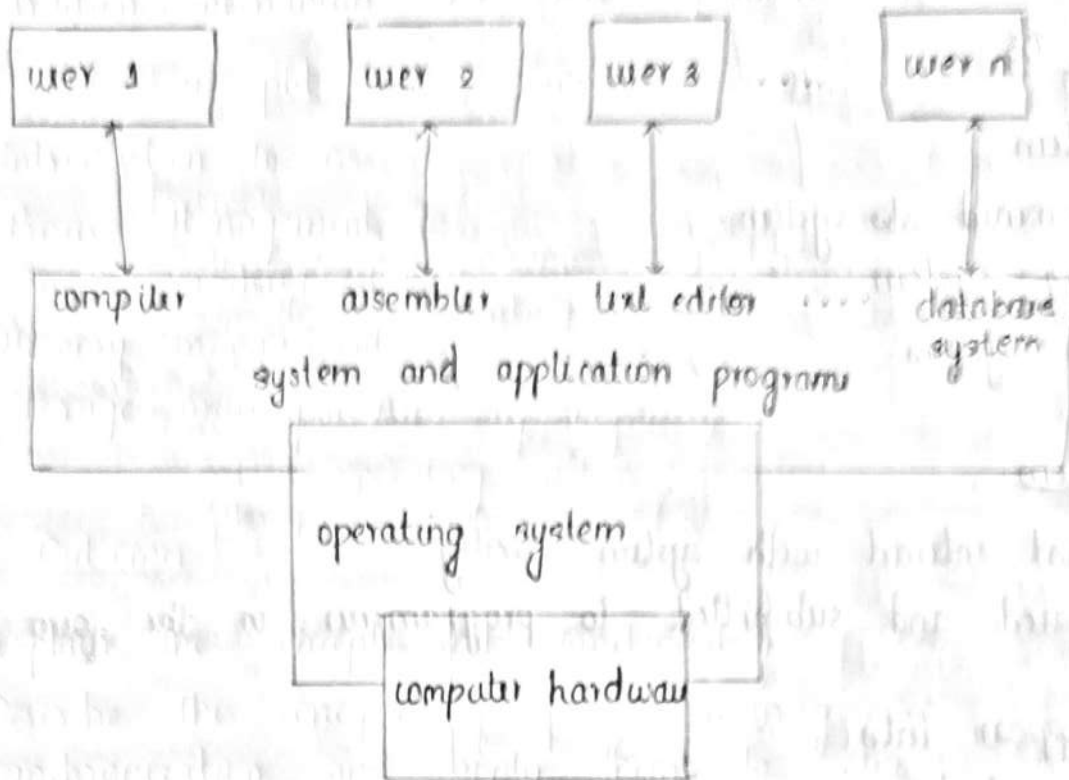
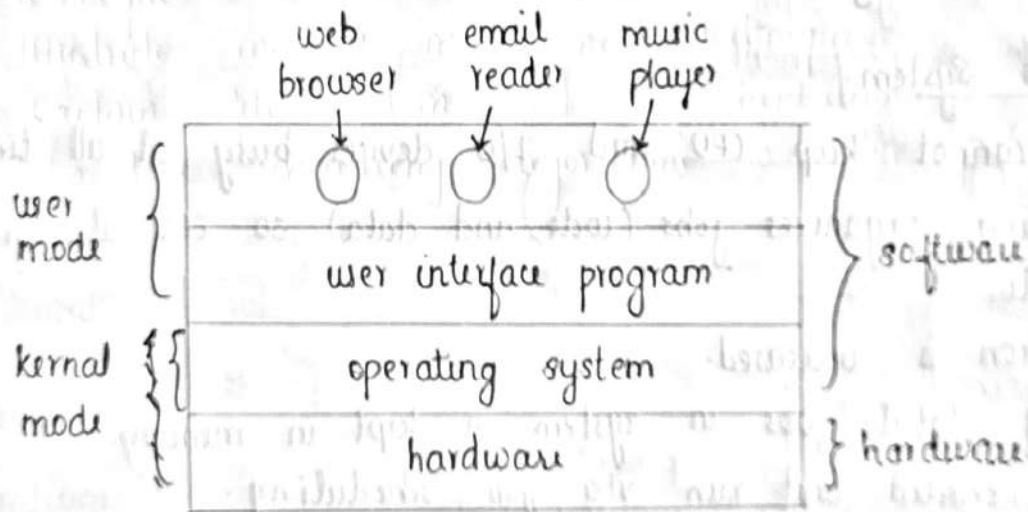


Fig: 4 components of a computer system.



Services provided by an OS.

- \* Facilities for program creation
- \* program execution
- \* access to I/O and files
- \* system access

08/02. OS is a resource allocator

- manages all resource
- Also, it is a control program.
  - controls execution of program to prevent errors.

### Types of OS

- > Batch System.
- > Multiprogrammed system.
- > Turnshairng system
- > Real Time System.

#### Batch System.

- \* user didn't interact with system directly.
- \* job prepared and submitted to programmer in the form of pu cards.
- \* output appear later.
- \* transfers control from one job to another.
- \* OS reside in memory.

#### Multiprogrammed System.

- \* Single user cannot keep CPU and I/O devices busy at all times.
- \* Multiprogramming organizes jobs (code and data) so CPU always has one to execute.
- \* CPU utilization is increased.
- \* A subset of total jobs in system is kept in memory.
- \* One job is selected and run via job scheduling.
- \* When it has to wait, it switches to another.
- \* So CPU doesn't sit idle.

operating system
job 1
job 2
job 3
job 4

### Timesharing System.

It is a logical extension in which CPU switches jobs so frequently that users can interact with each job while it is running, creating interactive computing.

- \* It allows many users to share computer simultaneously.
- \* Each user has small portion of time.
- \* Process - program in execution.
- \* several jobs ready to run at same time - CPU scheduling.

### Real-time systems.

- \* server real time application requests.
- \* process data as it comes without delay.
- \* A computing environment that reacts to input within a specific time period.
- \* Hard real time system.
  - guarantees that critical tasks are completed on time.
  - eg: flight control system.
- \* Soft real time system.

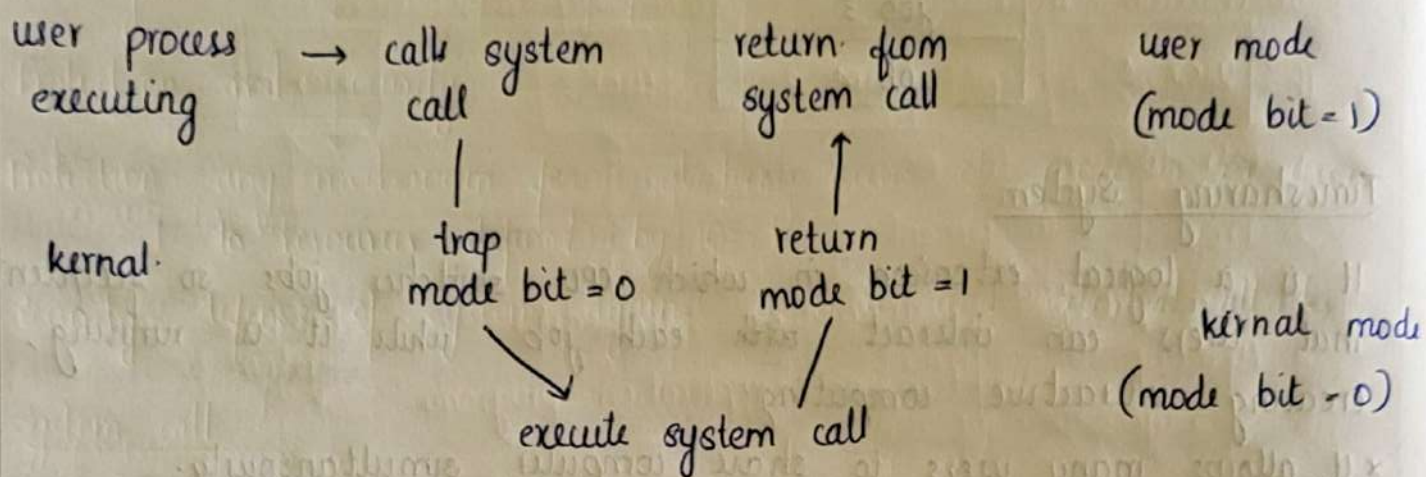
### Operations.

- \* Dual mode operation allows OS to protect itself and other system components.
  - user mode
  - kernel mode.

## Transition from user to kernel mode.

- \* Timer - to prevent infinite loop/process hogging resources.

user process:



## Functions of OS

- \* process management
- \* memory management
- \* storage management
  - file system management
  - mass storage management
  - caching.
- \* I/O management
- \* protection and security.

## Process management:

- \* process and program.
- \* process needs resources to accomplish its task.

## Process management activities:

- \* creating and deleting both user and system processes.
- \* suspending and resuming processes.

- \* providing mechanism for process synchronization.
- \* providing mechanisms for process communication.
- \* providing mechanisms for deadlock handling.

### Memory management.

- \* Main memory is the only large storage device that the CPU is able to address and access directly.
- \* When the program terminates, its memory space is declared available and next program can be loaded and executed.
- \* OS is responsible for following activities:
  - keeping track of which part of memory are currently being used and who is using them.
  - deciding which processes and data to move into and out of memory.
  - allocating and deallocating memory space as needed.

### Storage management.

#### file system management

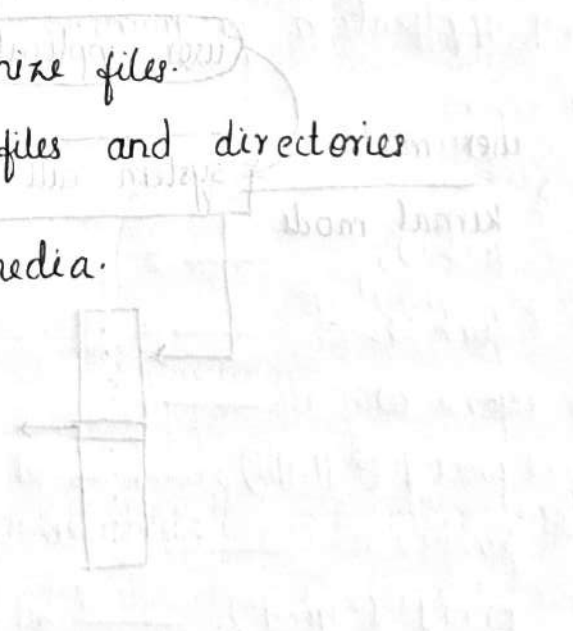
- \* files represent program
- \* creating and deleting files.
- \* creating and deleting directories to organize files.
- \* supporting primitives for manipulating files and directories
- \* mapping files onto secondary storage.
- \* backing up files on stable storage media.

### Mass storage management.

- OS is responsible for following activities:
  - \* file space management.
  - \* storage allocation.
  - \* disk scheduling.

### Caching

- \* provide fast access.



## I/O management

I/O subsystem consists of:

- \* memory management (buffering, spooling, caching)
- \* drivers for specific hardware devices.
- \* a general device driver interface.

## Protection and security

Protection - any mechanism for controlling access of processes or users to resources defined by OS.

Security - defense of system against internal and external attacks.

## System call

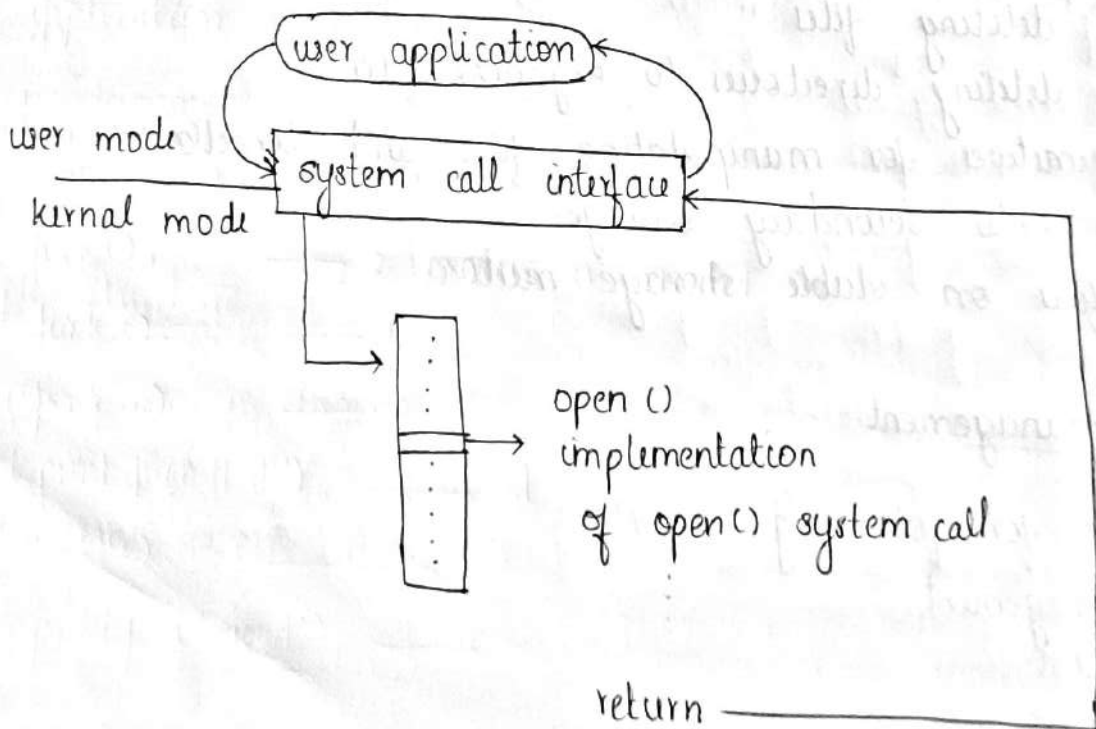
source file → destination file.

example system call sequence:

acquire input file name  
write prompt to screen.

⋮

## API - system call - OS relationship



## Types of system call

- \* process control
- \* file management
- \* device management
- \* information maintenance
- \* communication

### Process control

- end, abort
- ~~load~~<sup>load</sup>, execute
- create process, terminate process
- get process attribute, set process attributes
- wait for time
- wait event, signal event
- allocate and free memory.

### File management

- \* create file, delete file
- \* open, close.

### Device management

- \* request device, release device
- \* read, write, reposition.
- \* get device attributes, set device attributes
- \* logically attach or detach devices.

### Information maintenance

- \* get time or date, set time or date.
- \* get system data, set system data
- \* get and set process, file or device attributes.

### Communication

- \* create, delete communication connection.
- \* send, receive messages.



# Unix system calls in windows.

	windows
process control	create process () exit process () waitforSingle Object ()

file manipulation	create file () read file () write file () close handle ()
-------------------	--

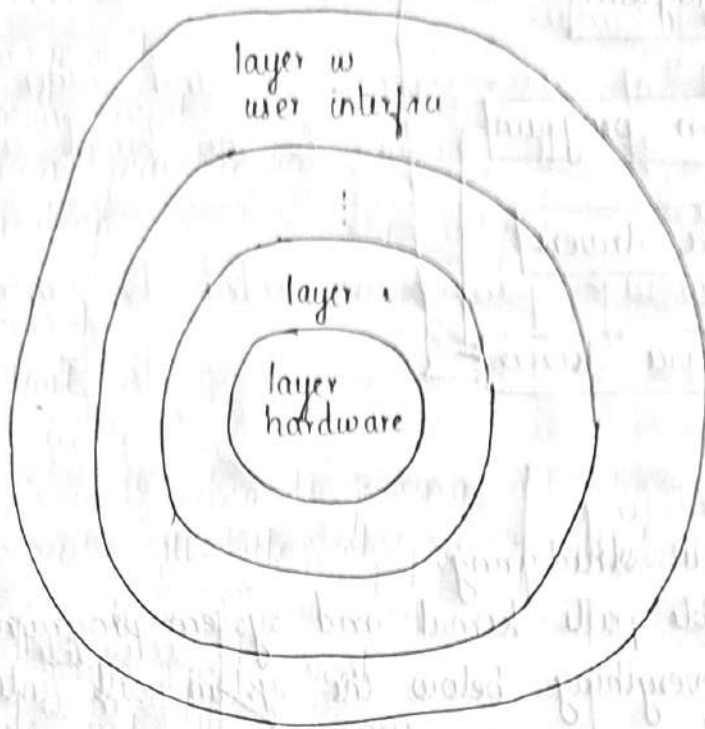
## System programs.

System programs can be divided into:

- \* file manipulation
- \* status information
- \* file modification
- \* programming language support
- \* program loading and execution.
- \* communication.
- \* application programs.

```
1. void main ()  
  {  
    fork ();      — 2 process is created  
    fork ();      — 4  
    fork ();      — 8  
    printf ("Hello"); — all 8 process prints hello  
    fork ();      — 16  
    printf ("good"); — all 16 process prints good.  
  }
```

## Layered approach.

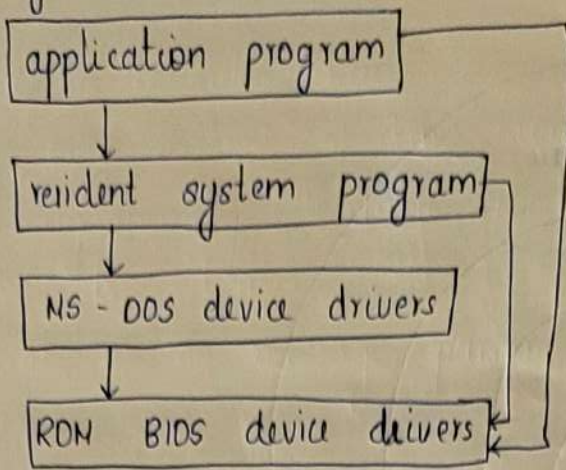


- \* With modularity, layers are selected such that each user functions and services of only lower-level layers.
- \* Each layer has its own data structure and operations.
- \* Highest level has high functionality i.e., the services for highest level are provided by lowest level.

### Advantages.

- \* Layered approach is modularity.
- \* Each layer is independent, so debugging is simple.
- \* Independent error checking is possible.
- \* Design and implementation are simplified when the system is broken down into layers.
- \* Each layer hides the existence of certain data structures, operations and hardware from higher level layers.

## MS-DOS layer structure



## UNIX OS

- \* Another example of limited structuring.
- \* It consists of 2 separable parts - kernel and system programs
- \* The kernel consists of everything below the system-call interface and above the physical hardware.
- \* The kernel is further separated into interfaces and device drivers.
- \* The kernel provides file system, CPU ~~scheduling~~ scheduling, memory management

## Operating System Structure

The different OS structures are:

- \* simple structure
- \* layered structure
- \* micro kernels
- \* modules or modular structure.

### Simple structure.

- \* MS-DOS written to provide the most <sup>separated</sup> functionality in the least space and.
  - not divided into modules.
  - Although MS-DOS has some structure; its interfaces.
- \* Device drivers is a software program that controls a device.
- \* Device controller is the hardware part that is the electronic component of a device.
- \* Application programs are able to access the basic I/O routines to communicate directly to the display and disk drivers.

\* It results in entire system crash when user program fails.

### Disadvantages

- \* It is difficult to define functions of each layer.
- \* less efficient.
- \* more time consuming.

### Microkernel.

- \* Microkernel is a OS that is designed to provide only most basic services required for an OS to function, such as memory management and process scheduling.
- \* Other services such as device drivers and file system are implemented as user level processes that communicate with the microkernel via message passing.

### Difference between microkernel and monolithic kernel.

- \* Microkernel provide only basic services required by OS, memory management and CPU scheduling.
- \* Monolithic kernel provides all OS services such as device drivers, file system, demand paging, page replacement, terminal handling etc.

### Advantages of microkernel.

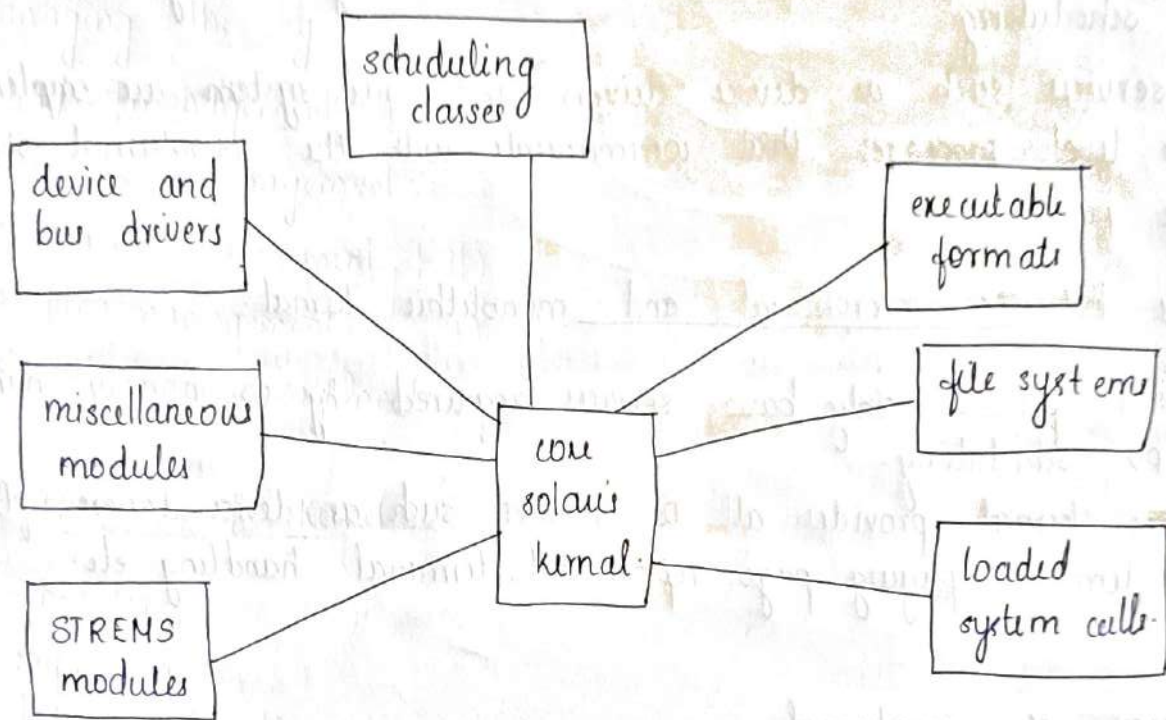
- \* provide secure and stable OS
- \* attack surface of OS is reduced.
- \* does not affect stability of entire system.
- \* modular and flexible.
- \* easy to add, remove or replace services, without affecting other parts.

### Disadvantages

- \* message passing between user level processes can be slow.

## Modules

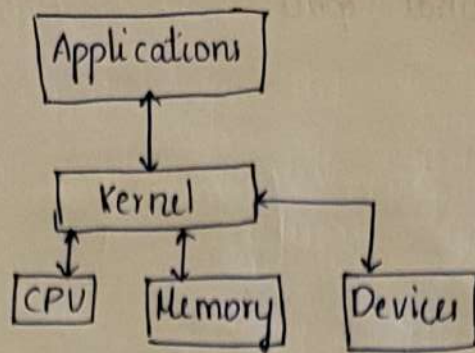
- \* designing of a modular kernel.
- \* kernel has only a set of core components and other services are added as dynamically loadable modules to the kernel either during run time or boot time.
- \* more efficient as no message passing is needed to communicate.



## Kernel

- \* Kernel is the central part of OS or core of OS.
- \* It has complete control over everything that occurs in a system.
- \* It is the part of OS that resides in memory.
- \* It is loaded into memory during booting and remains there for entire duration of computer session because its services are required continuously.
- \* Kernel code is loaded into a protected area of memory which prevents it from being overwritten by others.

5/9/23.  
Tuesday.



### Responsibilities of Kernel.

Managing the system resources such as:

- \* I/O management.
- \* Process management.
- \* device management.
- \* file management.
- \* memory management.

### Components of Kernel.

- \* Scheduler
- \* Supervisor
- \* Interrupt handler
- \* memory manager.

### Types of Kernel.

- 1) Monolithic kernel.
- 2) Microkernel.
- 3) Hybrid kernel.
- 4) Exokernel.

### Monolithic Kernel.

Monolithic kernels function with all of the kernel and device drivers inside one address space running in kernel mode.

\* speed.

\* simplicity of design.

Demerits:

\* potential stability issues.

\* potentially difficult to maintain.

\* can become huge.

eg: Unix Kernel, Linux Kernel, MS-DOS

### Microkernel.

A microkernel tries to run most of its services and device drivers in userspace.

Pros:

\* Stability.

\* Security

\* Potentially more responsive.

Cons:

\* Additional context switches are usually required.

\* Slow Inter Process Context can result in poor performance.

eg: AmigaOS, Amos, Mach.

### Hybrid Kernel.

\* Combines the concepts of both monolithic kernels and microkernels.

\* generally implemented by having a monolithic kernel with a more microkernel like design.

eg: Darwin.

### Exokernel.

Their functionality is limited to the protection and multiplexing of the raw hardware.

They provide no hardware abstractions on top of which application can be constructed.

## Shells.

- \* It is a software that provides an interface for users of an operating system which provides access to the services of a kernel.
- \* Outermost part of OS. Interacts with user command.
- \* Kernel doesn't interact directly with user.

## Categories of Shell.

- \* Command line shells
- \* Graphical shells.

## Types of Shells.

- \* sh (the Bourne Shell)
- \* bash (Bourne-again shell)
- \* ash (the Almquist shell)
- \* csh (the C shell)





## INTERNSHIP CERTIFICATE

This is to certify that Samson Sabu from  
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completed 30 days of Internship on **Python Django** from **The Federal Academy For  
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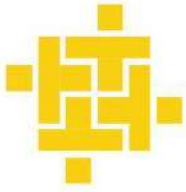
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A handwritten signature in black ink, appearing to read "Rajam", written over a horizontal line.

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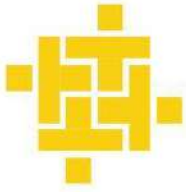
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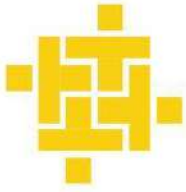
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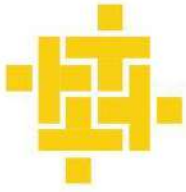
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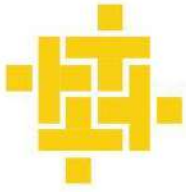
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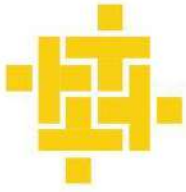
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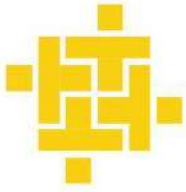
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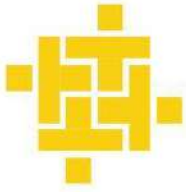
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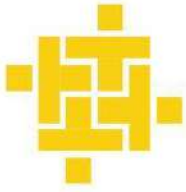
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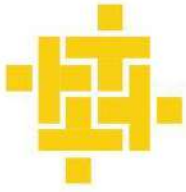
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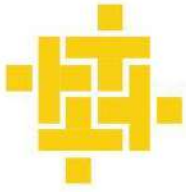
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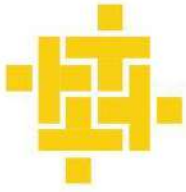
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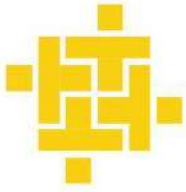
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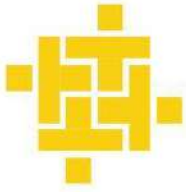
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with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-5554  
Date : 15/06/2023



TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head



A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

**Rejath A R**

has successfully completed course on **Data Science**  
with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-4628  
Date : 08/05/2023

# CERTIFICATE OF INTERNSHIP COMPLETION

## Albin Bejoy

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-122

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

**Ann Lia V.B**

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

**During this internship, the student has found to be keen and enthusiastic Candidate.**

Certificate ID : TNINTC22-118

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE

## OF INTERNSHIP COMPLETION

# Aleesha Ann Mary Shibu



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-128

Date : 15/06/2023

Academic Head

Sr. HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Annet Sabu

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-139

Date : 15/06/2023




Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Ans Tomy

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-119

Date : 15/06/2023




Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



# CERTIFICATE OF INTERNSHIP COMPLETION

## Ans Tomy

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-119

Date : 15/06/2023




Academic Head



Sr. HR Manager



 Verified Certificate

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# CERTIFICATE OF INTERNSHIP COMPLETION

## Betsy K Eldhose



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-116

Date : 15/06/2023

Academic Head

Sr.HR Manager

Verified Certificate

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# CERTIFICATE OF INTERNSHIP COMPLETION

## Bhavana Nair

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-115

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Deborah Joseph



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-121

Date : 15/06/2023

Academic Head

Sr. HR Manager

Verified Certificate

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# CERTIFICATE OF INTERNSHIP COMPLETION

## Dilta Benny



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-125

Date : 15/06/2023

Academic Head

Sr. HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Dilta Benny

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.




Certificate ID : TNINTC22-125

Date : 15/06/2023

Academic Head

Sr.HR Manager

 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Dona Gilson



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-117

Date : 15/06/2023

Academic Head

Sr. HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Georgekutty Titus

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-129

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



# CERTIFICATE OF INTERNSHIP COMPLETION

## Jinu Raphel

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-140

Date : 15/06/2023




Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Kevin Joshy

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.



Certificate ID : TNINTC22-127

Date : 15/06/2023

Academic Head

Sr.HR Manager

Verified Certificate

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# CERTIFICATE OF INTERNSHIP COMPLETION

## Milan Sha

has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-132

Date : 15/06/2023



Academic Head



Sr. HR Manager



 Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# CERTIFICATE OF INTERNSHIP COMPLETION

## Rejath A R



has successfully completed Mentorship Program on **Data Science**  
from ORBO in associated with Teachnook from 01/03/2023 to 30/04/2023

During this internship, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-133

Date : 15/06/2023

Academic Head

Sr.HR Manager

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course



TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

## Gopika Saju

has successfully completed course on **Data Science**  
with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-4626  
Date : 08/05/2023

# C E R T I F I C A T E

## OF TRAINING COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**ROAN PETER SAJI**

This is to certify that the above mentioned candidate has successfully completed  
his/her training in **Web Development** from **5<sup>th</sup> September 2022 to 5<sup>th</sup> October 2022**

During this course he/she showed diligence, consistency, determination,  
active participation and innovation throughout their training period.



**Mayank Gathole**  
(Academic Head)

**Student UIN :** 2012395

**Certificate no. :** RA176701



## INTERNSHIP CERTIFICATE

This is to certify that Yadhu Krishnan from  
**Viswajyothi College of Engineering and Technology, Muvattupuzha** has successfully  
completed 30 days of Internship on **Python Django** from **The Federal Academy For  
Cyber Education, Kochi.**

May 2023

Date



A handwritten signature in black ink, appearing to read "Rajam", written over a horizontal line.

AUTHORISED SIGNATORY

CHIHS/HR/1764/22  
29 August 2022

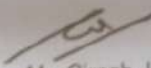
**TO WHOM IT MAY CONCERN**

This is to certify that Ms. Aghila K. B, II<sup>nd</sup> semester MBA student of Viswajyothi College of Engineering & Technology, Vazhakulam, Muvattupuzha has undergone 45 days Internship Training in the Department of Human Resources, Caritas Hospital, Theilakom, Kottayam from 14 July 2022 to 29 August 2022.

Caritas Hospital is NABH accredited, ISO 9001:2015 certified 655 bedded multispecialty hospital with almost all specialties.

Thanking you

For Caritas Hospital & Institute of Health Sciences

  
Mr. Ciros Joseph  
Chief Human Resources Officer



Theilakom P.O, Kottayam-686 630, Kerala, India  
T: +91 481-279 00 25-29  
E-mail: [hr@caritashospital.org](mailto:hr@caritashospital.org) | [www.caritashospital.org](http://www.caritashospital.org)



27 August 2022

Reg.No – 21MBA03

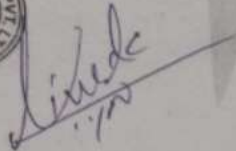
**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Mr. AJITH ANTONY, MBA, 2<sup>nd</sup> Semester student of Viswajyothi Collage Of Engineering and Technology has undertaken an Internship at our organization for 45 Days.

The candidate has successfully completed the 360 Hours training program and has gained practical knowledge.

We wish him all success.

For INDUS MOTOR Co. (P) LTD

HR - MANAGER  
Authorized Signatory



**milma**

**Ernakulam Regional Co-operative Milk Producers' Union Ltd. No. E-150 (D)  
Ernakulam Dairy, P.B. No. 33, Tripunithura, Ernakulam - 682 301  
An ISO 9001 : 2015 & ISO 22000 : 2005 Certified Company  
GSTIN : 32AAAAE0621L4Z6**

No. ED/P&A (1)/571/2022 / 1844

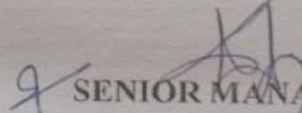
27.08.2022

CERTIFICATE

Certified that Mr. Alan Alias., MBA Student of Viswajyothi College of Engineering & Technology Vazhakulam P O Muvattupuzha, has successfully completed his Internship/Project Work in our Dairy as part of his curriculum.

The period of Internship/Project Work was from 13.07.2022 to 27.08.2022.



  
SENIOR MANAGER

To Whomsoever it may concern

## igus (India) Private Limited

Sy. No. 17/3, Euro School Road, NCPR Layout, K. R. Puram Hobli,  
da Nekkundi Indl. Area, 2nd Stage, Mahadevapura, Bengaluru-560 048. INDIA.  
: +91-80-45127800/801, Fax : +91-80-45127802, Web : www.igus.in, E-mail : info-in@igus.net  
: U29130KA2000PTC036289 GSTIN : 29AAACI7545P1ZV



26.08.2022

### INTERNSHIP CERTIFICATE

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Albetrise Mariya Denny (Admn No – 21MBA20), a student of Masters of Business Administration at Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha, Kerala has successfully completed her internship program in our organization from July 13<sup>th</sup>, 2022 to 26<sup>th</sup> August, 2022 in Accounts and Finance Department under the guidance of Mr. Venkatesh R - Sr. Accounts Manager Mr. Ananda N – Manager- Accounts Receivables.

She completed her internship with igus (India) Private Limited on a detailed study of Accounts Payables, Accounts Receivables, Statutory Payments (TDS, TCS, and GST).

During the time she took keen interest in the assigned work and performed well.

We wish her all success in academic endeavors and life.

For igus (India) Private. Limited

Thanking you,

Pragathy P  
Human Resource



EVM Cars



Volkswagen

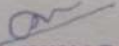
27<sup>th</sup> August 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Miss. Alбина Sebastian, an MBA student from Viswajyothi College of Engineering and Technology Vazhakulam, has successfully completed internship in HR department of our organization during the period 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During this tenure of her internship with us, she was deemed to be professional, industrious, and inquisitive. We wish her all the success in her life and career.

Yours Truly,

  
NIL KUMAR. V. K.  
Asst. Manager - HR  
EVM Passenger Cars India Pvt. Ltd.  
Nangelippady, Pulluvazhy P.O.  
Perumbavoor - 683 541  
Mob. No. 9995940111



**EVM Passenger Cars India Private Limited**

**Head Office:** NH Bye pass, Venpalavattom, Anayara PO, Thiruvananthapuram-695029. Phone: 0471-3050505 Fax: 0471-3050506  
**Branches:** NH 49, Kadathy Market P.O., Sangamam Junction, Muvattupuzha. Pin: 686673. Ph: 0485-2810832  
Bldg. No. 675/16, MC Road, Nangelippady, Pulluvazhy PO, Perumbavoor-683542, Kerala. Ph: 0484 3302033. Fax: 0484 3302033  
Building No. 3/276A, Edappally Varapuzha Road, Manjoommal Jn., Cheranalloor P O, Kochi - 682034. Phone: 0484 3302222  
info@vw-evmcars.co.in

Dated: 10-09-2022  
RHET/HR/1947/2022

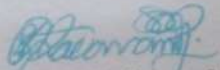
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Aleena Benny, student of MBA from Viswajyothi College of Engineering & Technology, Vazhakulam has successfully completed Internship in the Department of Human Resources of this hospital from 13-07-2022 to 27-08-2022

Her conduct and character during this period were found to be good.

Rajagiri Hospital, is 450 bedded super speciality tertiary care hospital, with NABL, NABH & JCI accreditation.

For Rajagiri Hospital,



Fr. Jijo Kadavan CMI  
Director - HR

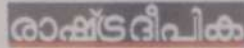


Chunangamvely, Aluva, Kerala - 683 112, India

+91 484 2905000 mail@rajagirihospital.com www.rajagirihospital.com



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COMMITMENT BEYOND NEWS



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CIN-U22122KL1989PLC005447, GSTIN: 32AABCR5524Q1Z5



RDL:HR:CERT:2022  
September 05, 2022

## CERTIFICATE

This is to certify that **Mr.Alen David**, III Semester MBA student of **Viswajyothi College of Engineering and Technology, Vazhakkulam, Muvattupuzha** has undergone internship in the Marketing Department of our organization from 18/07/2022 to 29/08/2022 as part of his curriculum requirement.

During the period of study his attendance and conduct was found good.

For Rashtra Deepika Ltd.,

**Korah Joseph**  
Dy.General Manager (HR)



**KANNUR**  
PH: 0497-2747360  
✉ mknr@deepika.com

**KOZHIKODE**  
PH: 0495-2762191  
✉ mckd@deepika.com

**THRISSUR**  
PH: 0487-2424230  
✉ mtrr@deepika.com

**ERNAKULAM**  
PH: 0484-2391086  
✉ mvek@deepika.com

**TRIVANDRUM**  
PH: 0471-2471522  
✉ mtrm@deepika.com

**OTHER PUBLICATIONS**

Karthikan	Sibren	Onema	Kuttikalude Deepika	Children's Digest	Business Deepika
കർത്തികൻ	സിബ്രൻ	സിനീമ	കുട്ടികളുടെ ദീപിക	ചിത്രകുട്ടികളുടെ ദീപിക	ബിസിനസ്സ് ദീപിക

**Portals**  
www.deepika.com  
www.rashtradeepika.com  
www.deepikaglobal.com  
(English News Portal)

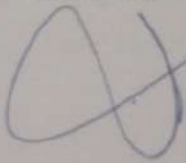
RDL:HR:CERT:2022  
September 05, 2022

## CERTIFICATE

This is to certify that **Mr. Alwin Jose**, III Semester MBA student of **Viswajyothi College of Engineering and Technology, Vazhakkulam, Muvattupuzha** has undergone internship in the Marketing Department of our organization from 18/07/2022 to 29/08/2022 as part of his curriculum requirement.

During the period of study his attendance and conduct was found good.

For **Rashtra Deepika Ltd.,**



**Korah Joseph**  
Dy.General Manager (HR)



**KANNUR**  
PH: 0497-2747360  
✉ mknr@deepika.com

**KOZHIKODE**  
PH: 0495-2762191  
✉ mcdt@deepika.com

**THRISSUR**  
PH: 0487-2424230  
✉ mtor@deepika.com

**ERNAKULAM**  
PH: 0484-2391086  
✉ melcm@deepika.com

**TRIVANDRUM**  
PH: 0471-2471522  
✉ rmtvm@deepika.com

**OTHER PUBLICATIONS**

Kanshukan	Shree	Onema	Kuttikalude Deepika	Children's Digest	Business Deepika
<b>കണ്ടുകുന്ന്</b>	<b>ശ്രീ</b>	<b>സിനിമ</b>	<b>കുട്ടികളുടെ ദീപിക</b>	<b>Children's Digest</b>	<b>ബിസിനസ്സ് ദീപിക</b>

Portals  
www.deepika.com  
www.rashtradeepika.com  
www.deepikaglobal.com  
(English News Portal)

29-08-2022

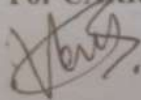
## CERTIFICATE

This is to certify that **Mr. AMAL AJI**, MBA student of **DEPARTMENT OF MANAGEMENT STUDIES, VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM**, had successfully completed his "Internship Training" in our company during the period from **13/07/2022 to 27/08/2022**

During the above period, he was found industrious and co-operative in all the assignments given to him and his conduct and character was good.

We wish him all success in his future endeavours.

For **CARRIS PIPES AND TUBES PVT LTD.,**



For **AJI JOSEPH**  
(General Manager)



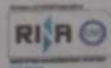
**FACTORIES:** KERALA, Cochin, Akanad, Mudakuzha P.O., Perumbavoor-683 546, E-mail: [cok@aquatechtanks.com](mailto:cok@aquatechtanks.com), Phone: 0484-2649061, 2649671

TAMILNADU - Coimbatore - 641 050, E-mail: [cbe@aquatechtanks.com](mailto:cbe@aquatechtanks.com), Telefax: 0422 - 2655662, 2655668,

ANDHRAPRADESH - Vijayawada - 521 286, E-mail: [vja@aquatechtanks.com](mailto:vja@aquatechtanks.com) Telefax: 08676 - 259896, 259898

**BRANCHES:** CHENNAI - E-mail: [chennai@aquatechtanks.com](mailto:chennai@aquatechtanks.com) Ph: 094440 31386, 094422 01550

TELANGANA - E-mail: [ts@aquatechtanks.com](mailto:ts@aquatechtanks.com) Ph: 73822 99614, VISAKHAPATNAM - E-mail: [aquatech.vzg@gmail.com](mailto:aquatech.vzg@gmail.com) Ph: 73826 23061





SMHRC/HR/IL/2022/30  
26/08/2022

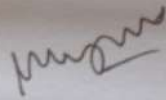
TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Anjo Mathew** MBA student of Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha, Kerala was doing 45 days Organisation Study in Smita Memorial Hospital and Research Centre Thodupuzha from 13<sup>th</sup> July 2022 to 26<sup>th</sup> August 2022.

Smita Memorial Hospital and Research Centre is a 300 bedded multi-Specialty hospital founded by Advani Olickal Healthcare Services Pvt Ltd.

We wish all success in his future endeavours

For Smita Memorial Hospital and Research Centre,  
(A unit of Advani Olickal Healthcare Services Pvt. Ltd.)



**Raghavan Pozhath**  
Chief Administrative Officer





Date: 09-09-2022

## TO WHOMSOEVER IT MAY CONCERN

This certificate is presented to **Aravind N M** in association with **Viswajyothi College of Engineering and Technology, Vazhakkulam** the successful completion of the Internship program conducted from **13<sup>th</sup> July 2022** to **27<sup>th</sup> August 2022** at **Reliance Fashion and Lifestyle stores** in Kerala as part of Final Year MBA curriculum.

The topic assigned was **Human Resource Management** and he found to be sincere and enthusiastic in collecting various information for completing the work.

We wish his all success in future endeavors.

For Reliance Retail Limited.

A handwritten signature in black ink, appearing to read "Liby Bab".

Authorized Signatory.



## BRAHMINS FOODS INDIA PRIVATE LIMITED

H.O : Vengalloor-Kolani Bypass Road, Thodupuzha, Idukki Dist., Kerala - 685 608  
Factory : Kinfra Industrial Park, Nellad P.O, Ernakulam Dist., Kerala - 686 669  
Factory : Paingottoor P.O. Chathamattom, Ernakulam Dist., Kerala - 686 671  
E-mail : ho@brahminsgroup.com www.brahmingsgroup.com  
Phone : +91 4862 223561, +91 4862 223555, TOLL FREE NUMBER : 1800 890 1214  
GST No : 32AAECB0054G1ZC CIN: U15135KL2010PTC025559

**Brahmins/Internship Trainee/2022**

**27<sup>th</sup> Aug 2022**

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Arun Roy (Reg No. VJC21MBA17)**, 3<sup>rd</sup> Semester **MBA** student of **Viswajyothi College of Engineering & Technology, Ernakulam** has completed Summer Internship Training, from **13<sup>th</sup> July 2022 to 27<sup>th</sup> Aug 2022**.

He was keenly interested, well-mannered and enthusiastic Team Player during the period of the study.

We wish him all success in future endeavors.

**For Brahmins Foods India Pvt. Ltd.**

**Vineeth Viswambharan**  
Manager-HR





ACUMEN CAPITAL MARKET (INDIA) LIMITED  
S.T. Reddior & Sons Building, Veekshanam Road, Cochin-682035  
Tel: +91 484 4291111 Email: care@acumengroup.in  
CIN No. U67120KL 1995PLC008674 SEBI Reg. No: INZ000170434  
Member: NSE, BSE, NSDL, CDSL, MCX, NCDEX, ICEX, MSEI

ACML/AD/2022-23/0143

26-08-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Ashok Shankar, VJC21MBA22, a student of Vishwajyothi College of Engineering and Technology, Vazhakulam, Department of Management Studies, has successfully completed his internship in the field of Finance Department from 13<sup>th</sup> July 2022 to 26<sup>th</sup> August 2022 under the guidance of Mr. Jose Mathew.

His enthusiasm and dedication during their study were appreciated by all concerned.

We wish him all the best in his future endeavors.

For Acumen Capital Market (India) Limited

Rosy Shibi V M  
AGM



# Nutricreams Pvt. Ltd.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Binil Benny ( Reg No : VJC21MBA19) student of Department of Management Studies Viswajyothi College of Engineering & Technology ,Vazhakulam has completed his Summer Internship Programme at Nutricreams Pvt Ltd, Perumbavoor from 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During the period of Internship he was found punctual,hardworking and inquisitive.

We wish him all the best for future endeavors.

for Nutricreams Pvt Ltd

Aparna Sabu  
HR Department



Dated: 10-09-2022  
RHET/HR/1948/2022

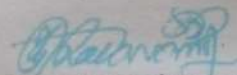
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Boney Jaison, student of MBA from Viswajyothi College of Engineering & Technology, Vazhakulam has successfully completed Internship in the Department of Human Resources of this hospital from 13-07-2022 to 27-08-2022

His conduct and character during this period were found to be good.

Rajagiri Hospital, is 450 bedded super speciality tertiary care hospital, with NABL, NABH & JCI accreditation.

For Rajagiri Hospital,

  
Fr. Jijo Kadavan CMI  
Director - HR



Chunangamvely, Aluva, Kerala - 683 112, India

+91 484 2905000 • mail@rajagirihospital.com • www.rajagirihospital.com

# CERTIFICATE FROM THE COMPANY



Date: 06-09-2022

## TO WHOMSOEVER IT MAY CONCERN

This certificate is presented to **Deepika Rose Bosco** in association with **Viswajyothi College Of Engineering and Technology, Vazhakulam** the successful completion of the Internship program conducted from **13<sup>th</sup> July 2022** to **26 August 2022** at **Reliance Fashion and Lifestyle stores** in Kerala as part of **Second Year Human Resource** curriculum.

The topic assigned was **Retail Store Management** and she found to be sincere and enthusiastic in collecting various information for completing the work.

We wish her all success in future endeavors.

For Reliance Retail Limited.

A handwritten signature in black ink, appearing to read "Libby Bab".

Authorized Signatory.

Reliance Retail Limited (Formerly Reliance Fresh Limited)  
CIN: U01100MH1999PLC320563 Phone: +91 22 67473800

Registered Office: 3rd Floor, Court House, Lokmanya Tilak Marg, Dhobi Talao, Mumbai-400 002, India

13.09.2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Elias Titty Zachariah** pursuing **Master's in Business Administration (2021-2023 Batch)** from Viswajyothi College of Engineering & Technology, Vazhakulam, Kerala has successfully completed his internship in Human Resources Department of our company during the period from **July 14 2022 to Aug 30 2022.**

His project work was conducted under the guidance of Ms Thushara Renjith, Manager – HR.

During the tenure of his internship and project, we found him sincere and hardworking.

We wish him all success in his future endeavors.

With Best Wishes,

For Mantle Solutions Pvt. Ltd.



**AUTHORISED SIGNATORY**





ADMHC/INTC/2022/3883

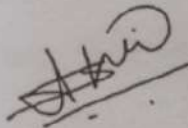
17<sup>th</sup> December 2022

**TO WHOMSOEVER IT MAY CONCERN**

This letter is to certify that **Ms. Elsa Mary Gigi** has successfully completed **Internship** with Aster Medcity, Kochi from **13th July 2022** to **26th August 2022**. She was posted in the department of **Business Development** and was actively and diligently involved in the tasks assigned to her. During this period, we found her to be punctual and hardworking.

We wish her a successful career and bright future.

For Aster DM Healthcare Ltd.



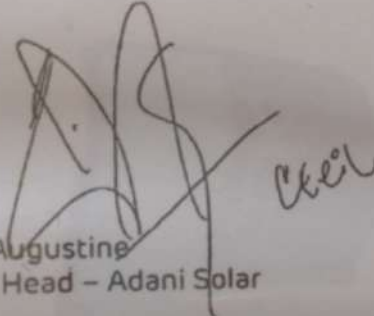
**Ashwin Divakaran**  
Head – Human Resources

Date: 29.08.2022

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. George Augustine** has undergone internship for the duration of 45 days. His topic for the internship project was **Rooftop Solar Market Potential in Kerala**.

Wishing him the best for his future.

  
Cecil Augustine  
Retail Head – Adani Solar

Mundra Solar Energy Limited  
6<sup>th</sup> Floor, Commerce House 7  
Corporate Road, Makarba,  
Prahlad Nagar, S.G. Highway  
Ahmedabad 380051  
Gujarat, India  
CIN: U74999GJ2015PLC083378

Tel +91 79 2555 5555  
Fax +91 79 2555 5500

info@adani.com  
www.adani.com



# THE TRAVANCORE- COCHIN CHEMICALS LTD.

(A GOVERNMENT OF KERALA UNDERTAKING)

P.B. No. 4, UDYOGAMANDAL P.O., KOCHI - 683 501, KERALA.

CIN:U24299KL1951SGC001237



HR/PW/1696 /2022

09.09.2022

## CERTIFICATE OF INTERNSHIP

*This is to certify that Mr. Harishankar Parameswaran (Reg. No. VJC21MBA25) a student of Master of Business Administration (MBA) from Department of Management Studies, Viswajothi College of Engineering and Technology, Muvattupuzha- 686670 has successfully completed an Internship in our company from 13.07.2022 to 26.08.2022.*

*We wish all the best for his future.*



Manager (HR)

P

Department of Management Studies  
Viswajyothi College of Engineering and Tehnology, Vazhakulam



**CERTIFICATE**

This is to certify that the report titled "A study on packaging of product towards consumer buying behaviour in Ernakulam district" being submitted by *Mr. Jewel Jacob, VJC21MBA26* in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. Jewel Jacob of Department of Management Studies, Viswajyothi College Of Engineering and Technology, Vazhakulam.



Verified  
Anandakrishnan  
12/7/23.


**Dr. Jose Mamman**

Faculty Guide

**Mr. Somy. P. Mathew**

Vice Principal and HOD in Charge

Phone: +91 94465 01024  
mail: sepl@shakthimansuper.com  
Web: www.shakthimansuper.com

  
**SHAKTHIMAN EXTRUSIONS PVT LTD**

CIN: U25517KL2012PTC031675

I/193A | Panamkuzhy  
Kombanad P.O. | Perumbavoor  
Kerala - 683 546

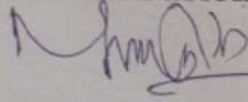
August 29, 2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. J Kishan Raj, MBA student of Viswajyothi College Of Engineering & Technology Vazhakulam, Kerala -686 670 has successfully completed his Summer Internship in our company during the period from 13/07/2022 to 26/08/2022 as part of his MBA curriculum.

We wish all success in his future professional life.

For **Shakthiman Extrusions Pvt. Ltd.**



Sr. Manager (Finance & Personnel)



GSTIN: 32AARCS7875D12X

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Johns Leo( Reg No : VJC21MBA28) student of Department of Management Studies Viswajyothi College of Engineering & Technology ,Vazhakulam has completed his Summer Internship Programme at Nutricreams Pvt Ltd, Perumbavoor from 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During the period of Internship he was found punctual,hardworking and inquisitive.

We wish him all the best for future endeavors.

for Nutricreams Pvt Ltd

Aparna Sabu  
HR Department



Building No: 343/2936  
Jyoti Park, 2nd Floor  
Perumbavoor, Pin. 633542  
CRN: U91369L2021PTC066972



Email: [nutricreamspvtltd@gmail.com](mailto:nutricreamspvtltd@gmail.com)



+91 97405 74445

Dated: 10-09-2022  
RHET/HR/1946/2022

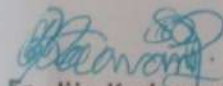
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Joseph Rajan, student of MBA from Viswajyothi College of Engineering & Technology, Vazhakulam has successfully completed Internship in the Department of Human Resources of this hospital from 13-07-2022 to 27-08-2022

His conduct and character during this period were found to be good.

Rajagiri Hospital, is 450 bedded super speciality tertiary care hospital, with NABL, NABH & JCI accreditation.

For Rajagiri Hospital,



Fr. Jijo Kadavan CMI  
Director - HR



**INDUS**

SHY HABSHAT

Keecheripady, Muvattupuzha  
Ph: 9745997243, Email: mvpsr@indusmotor.com  
Website: www.indusmotor.com

**MARUTI SUZUKI ARENA**

27 August 2022

Reg.No - 21MBA30

**TO WHOMSOEVER IT MAY CONCERN**

This is to Certify that Mr. JOYAL JOSE MBA, 2<sup>nd</sup> Semester student of Viswajyothi Collage Of Engineering and Technology has undertaken an Internship at our organization for 45 Days.

The candidate has successfully completed the 360 Hours training program and has gained practical knowledge

We wish him all success.

For INDUS MOTOR Co. (P) LTD



HR - MANAGER  
Authorized Signatory



Indus Motors Co. Pvt. Ltd. CIN: U50102KL1984PTC004009  
Regd Office : Indus House, PB No. 923, Chakkorathukulam, West Hill, Calicut-673 005. Tel:- 9745998387  
indusmotor.com /indusmotors



Date: 26/08/2022

**TO WHOM IT MAY CONCERN**

This is to certify that **Miss. Lydia Adams Kurian**, student of MBA, Viswajyothi College of Engineering & Technology, has successfully completed 45 Days (From 13<sup>th</sup> July, 2022 to 26<sup>th</sup> August 2022) long internship program in HR Department at Copious Consult. During the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

Jerry Thomas

Director

  
\_\_\_\_\_  
Authorized Signature

Copious Consult Pvt Ltd, A11, Heavenly Plaza, Vazhakkala, Cochin, Kerala – 682021.

[info@copiousconsult.com](mailto:info@copiousconsult.com).

[www.copiousconsult.com](http://www.copiousconsult.com) | [www.copiousinfotech.com](http://www.copiousinfotech.com) | [www.copiousprostak.com](http://www.copiousprostak.com)

## igus (India) Private Limited

36/1, Sy. No. 17/3, Euro School Road, NCPR Layout, K. R. Puram Hobli,  
Dodda Nekkundi Indl. Area, 2nd Stage, Mahadevapura, Bengaluru-560 048. INDIA.  
Tel. : +91-80-45127800/801, Fax : +91-80-45127802, Web : www.igus.in, E-mail : info-in@igus.net  
CIN : U29130KA2000PTC036289 GSTIN : 29AAACI7545P1ZV



26.08.2022

### INTERNSHIP CERTIFICATE

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Mariya T S (Admn No - 21MBA31), a student of Masters of Business Administration at Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha, Kerala has successfully completed her internship program in our organization from July 13<sup>th</sup>, 2022 to 26<sup>th</sup> August, 2022 in Accounts and Finance Department under the guidance of Mr. Venkatesh R- Sr. Accounts Manager and Mr. Ananda N – Manager- Accounts Receivables.

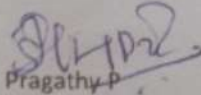
She completed her internship with igus (India) Private Limited on a detailed study of Accounts Payables, Accounts Receivables, Statutory Payments (TDS, TCS, and GST).

During the time she took keen interest in the assigned work and performed well.

We wish her all success in academic endeavors and life.

For igus (India) Private. Limited

Thanking you,

  
Pragathy P

Human Resource



Phone: +91 94465 01024  
E-mail: sepl@shakthimansuper.com  
Web: www.shakthimansuper.com



**SHAKTHIMAN EXTRUSIONS PVT LTD**

CIN: U25517KL2012PTC031675

I/193A | Panamkuzhy  
Kombanad P.O. | Perumbavoor  
Kerala - 683 546

August 29, 2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Martin Mathew, MBA student of Viswajyothi College Of Engineering & Technology Vazhakulam, Kerala -686 670 has successfully completed his Summer Internship in our company during the period from 13/07/2022 to 26/08/2022 as part of his MBA curriculum.

We wish all success in his future professional life.

For **Shakthiman Extrusions Pvt. Ltd.**



Sr. Manager (Finance & Personnel)



**SHAKTHIMAN  
SUPER**  
UPVC PIPE  
Since 1974



GSTIN: 32AARCS7875D1ZX

ADMHC/INTC/2022/3882

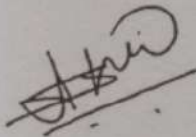
17th December 2022

**TO WHOMSOEVER IT MAY CONCERN**

This letter is to certify that **Ms. Mehna Ebrahim** has successfully completed **Internship** with Aster Medcity, Kochi from **13th July 2022** to **26th August 2022**. She was posted in the department of **Business Development** and was actively and diligently involved in the tasks assigned to her. During this period, we found her to be punctual and hardworking.

We wish her a successful career and bright future.

For Aster DM Healthcare Ltd.



**Ashwin Divakaran**  
Head - Human Resources

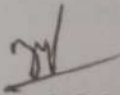
Spec/STC-HR/1880/09/022

14 September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Melba Sajan**, a student of Viswajyothi College of Engineering and Technology, Vazhakulam had undergone an Internship Program during the period 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During the tenure, her performance was good.



**Joseph Job**  
Chief Technology Officer



Spectrum Softtech Solutions Pvt Ltd.  
Mahakavi G Road  
Kochi-682011  
Tele:-91-484-4082000  
joseph@spectrum.net.in

# Nutricreams Pvt. Ltd.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Nandeep S ( Reg No : VJC21MBA36) student of Department of Management Studies Viswajyothi College of Engineering & Technology ,Vazhakulam has completed his Summer Internship Programme at Nutricreams Pvt Ltd, Perumbavoor from 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During the period of Internship he was found punctual,hardworking and inquisitive.

We wish him all the best for future endeavors.

for Nutricreams Pvt Ltd

Aparna Sabu

HR Department





# CERTIFICATE OF COMPLETION



This Certificate is proudly presented to

NIKITHA VINCENT

who has successfully completed their "Sales & Marketing Internship"  
under Project Yuva with ITC Limited.

from 13/08/2022 to 30/09/2022

*Sriakki Toman*

District HR

Branch Manager



**HOLY FAMILY HOSPITAL**  
MUTHALAKODAM PO, THODUPUZHA, IDUKKI-685 605, KERALA, INDIA  
Phone: 04862-222231, 222234, 221060, 221062  
NABH (ENTRY LEVEL) CERTIFIED  
Web: www.holyfamilyhospitals.com, E-mail: info@holyfamilyhospitals.com



HFH/HR/CER/2022-153

27.08.2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. Riya Saju** II year MBA student of Viswajyothi College of Engineering & Technology, Vazhakulam has undergone internship in this hospital from **13.07.2022** to **27.08.2022**.

Holy Family Hospital is a 300 bedded, NABH Pre-Accredited (Entry Level) Super-specialty hospital and it has all the wings of Medical and Surgical Specialties equipped with all modern and advanced machineries and procedures.

We wish her God's many-fold blessings and success in all her future endeavors.

*Sr. Mercy Kurian S.H.*  
**SR. MERCY KURIAN S.H**  
ADMINISTRATOR

*Sr. Mercy Kurian S.H., M.B.(Nig), M.B.A.(H.A)*  
Administrator  
Holy Family Hospital  
Muthalakovam P. O., Thodupuzha - 685 605  
Ph: 04862 - 222230, Mob: 9447119006





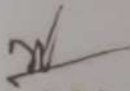
Spec/STC-HR/1881/09/022

14 September 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Thasneem S B**, a student of Viswajyothi College of Engineering and Technology, Vazhakulam had undergone an Internship Program during the period 13<sup>th</sup> July 2022 to 27<sup>th</sup> August 2022.

During the tenure, her performance was good.



**Joseph Job**  
Chief Technology Officer

Spectrum Softtech Solutions Pvt Ltd.  
Mahakavi G Road  
Kochi-682011  
Tele:-91-484-4082000  
joseph@spectrum.net.in





## CERTIFICATE

No. TRG/030/2091(1)/2022- 416

31 August 2022

1. Name of Student/s : VISHNU SHIJU
2. Course & Branch of Study : MBA
3. College Name : Vishwajyothi College of Engineering,  
Muvattupuzha
4. Nature of Training : Internship
5. Period of Training : 18.07.2022 To 31.08.2022
6. Department/s of Training : Finance, Safety & Training Institute
7. Conduct / Performance : Good

कर्मयोगो विशिष्यते

(A Vetrisekvan)

Deputy General Manager (Trg, SD & METI)

CAD230018



# CERTIFICATE

This is to certify that

**ABIN FRANCIS**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **AutoCAD & Revit MEP** from 16<sup>th</sup> May 2023 to 20<sup>th</sup> May 2023. During this period he got exposed to industry relevant softwares like **AutoCAD, Revit MEP** and actively participated in hands-on exercises.

25-05-2023

Date



Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



#startupindia





# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**BASIL ELDHO**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN 7 DAYS  
INTERNSHIP PROGRAM ON RACING TECHNOLOGY  
AND ENGINE TUNING CONDUCTED  
BY GENZEE TECHNOLOGIES LLP  
IN COLLABORATION WITH YAMAHA  
FROM 09-05-2023 TO 15-05-2023.

17-05-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



#startupindia





# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**BASIL ELDHO**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN 7 DAYS  
INTERNSHIP PROGRAM ON RACING TECHNOLOGY  
AND ENGINE TUNING CONDUCTED  
BY GENZEE TECHNOLOGIES LLP  
IN COLLABORATION WITH YAMAHA  
FROM 09-05-2023 TO 15-05-2023.

17-05-2023

Date



Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



ISO 9001 Unit



RIGHT TO  
INFORMATION

एचएमटी मशीन टूल्स लिमिटेड

(एचएमटी लिमिटेड की संपूर्ण स्वामित्वधेन अनुषंगी)  
(भारत सरकार का उपक्रम)  
एचएमटी कॉलोनी डाक, कलमरसोटे  
एरणाकुलम जिला, 683 503, केरल, भारत  
दूरभाष: 0484-2540731 (9 लाइन्स)  
फैक्स: 0484-2532166  
ईमेल: mtk@hmtmachinetools.com  
वेबसाइट: www.hmtmachinetools.com

**hmt**

**HMT MACHINE TOOLS LIMITED**

(A wholly owned subsidiary of HMT Limited)  
(A Government of India Undertaking)  
HMT Colony P.O., Kalamassery  
Ernakulam Dist., 683 503, Kerala, INDIA  
Phone: 0484-2540731 (9 lines)  
Fax: 0484-2532166  
Email: mtk@hmtmachinetools.com  
Website: www.hmtmachinetools.com

Ref: MTK/HRM/TC/IF

Date: - 13-05-2023

## CERTIFICATE

This is to certify that Mr. GAGAN PREM, RegNo.VJC21ME018 , 4<sup>th</sup> Semester BTECH in Mechanical Engineering Student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM has undergone INDUSTRIAL FAMILIARIZATION training for two weeks from 02/05/2023 in our organization.



For HMT Machine Tools Ltd

Arathy Krishnan

Deputy Manager (HR&CP)

ISO 9001 Unit



RIGHT TO  
INFORMATION

एचएमटी मशीन टूल्स लिमिटेड

(एचएमटी लिमिटेड की संपूर्ण स्वामित्वधेन अनुषंगी)

(भारत सरकार का उपक्रम)

एचएमटी कोलनी डाक, कलमसरी

एरणाकुलम जिला, 683 503, केरल, भारत

दूरभाष: 0484-2540731 (9 लाइन्स)

फैक्स: 0484-2532166

ईमेल: mtk@hmtmachinetools.com

वेबसाइट: www.hmtmachinetools.com

**hmt**

**HMT MACHINE TOOLS LIMITED**

(A wholly owned subsidiary of HMT Limited)

(A Government of India Undertaking)

HMT Colony P.O., Kalamassery

Ernakulam Dist., 683 503, Kerala, INDIA

Phone: 0484-2540731 (9 lines)

Fax: 0484-2532166

Email: mtk@hmtmachinetools.com

Website: www.hmtmachinetools.com

Ref: MTK/HRM/TC/IF

Date: - 13-05-2023

## CERTIFICATE

This is to certify that Mr. GAGAN PREM, RegNo.VJC21ME018 , 4<sup>th</sup> Semester BTECH in Mechanical Engineering Student of VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM has undergone INDUSTRIAL FAMILIARIZATION training for two weeks from 02/05/2023 in our organization.



For HMT Machine Tools Ltd

*Arathy*

Arathy Krishnan

Deputy Manager (HR&CP)

No. D1/ICE/Internship/VCET/10/2023-M

Dated: 29.05.2023

To,

The Principal,  
Viswajyothi College of Engineering & Technology,  
Vazhakulam P O, Muvattupuzha,  
Ernakulam-686670.

Sir,

Sub: Internship for Mechanical Engineering Students-reg.  
Ref: Letter of the Principal vide No. F-07:VJC/Adm/GC/2023-102 dated 12.05.2023

\*\*\*\*\*

This is to inform that the below named 5 Nos. 4<sup>th</sup> Semester, Mechanical Engineering B Tech. students of your institution have satisfactorily completed their practical training at Cochin Port Authority for a period from 15.05.2023 to 27.05.2023 as a part of internship program:-

- (1) Sri. Emmanuel Lejoy
- (2) Sri. Bibin S
- (3) Sri. Dibin Shajan
- (4) Sri. Joel Jais
- (5) Sri. Ashik Asok

During the above period, the students have undergone training at I C Engines Division where the maintenance of Fork Lift Trucks, Heavy Duty Reach Stacker and Automobile Vehicles are being carried out.

It is also certified that during the training period their behavior, conduct and aptitude towards work were good.



Superintending Engineer (M), ICE.





No. D1/ICE/Internship/VCET/10/2023-M

Dated: 29.05.2023

To,

The Principal,  
Viswajyothi College of Engineering & Technology,  
Vazhakulam P O, Muvattupuzha,  
Ernakulam-686670.

Sir,

Sub: Internship for Mechanical Engineering Students-reg.

Ref: Letter of the Principal vide No. F-07:VJC/Adm/GC/2023-102 dated 12.05.2023

\*\*\*\*\*

This is to inform that the below named 5 Nos. 4<sup>th</sup> Semester, Mechanical Engineering B Tech. students of your institution have satisfactorily completed their practical training at Cochin Port Authority for a period from 15.05.2023 to 27.05.2023 as a part of internship program:-

- (1) Sri. Emmanuel Lejoy
- (2) Sri. Bibin S
- (3) Sri. Dibin Shajan
- (4) Sri. Joel Jais
- (5) Sri. Ashik Asok

During the above period, the students have undergone training at I C Engines Division where the maintenance of Fork Lift Trucks, Heavy Duty Reach Stacker and Automobile Vehicles are being carried out.

It is also certified that during the training period their behavior, conduct and aptitude towards work were good.



Superintending Engineer (M), ICE. ✓



No. D1/ICE/Internship/VCET/10/2023-M

Dated: 29.05.2023

To,

The Principal,  
Viswajyothi College of Engineering & Technology,  
Vazhakulam P O, Muvattupuzha,  
Ernakulam-686670.

Sir,

Sub: Internship for Mechanical Engineering Students-reg.

Ref: Letter of the Principal vide No. F-07:VJC/Adm/GC/2023-102 dated 12.05.2023

\*\*\*\*\*

This is to inform that the below named 5 Nos. 4<sup>th</sup> Semester, Mechanical Engineering B Tech. students of your institution have satisfactorily completed their practical training at Cochin Port Authority for a period from 15.05.2023 to 27.05.2023 as a part of internship program:-

- (1) Sri. Emmanuel Lejoy
- (2) Sri. Bibin S
- (3) Sri. Dibin Shajan
- (4) Sri. Joel Jais
- (5) Sri. Ashik Asok

During the above period, the students have undergone training at I C Engines Division where the maintenance of Fork Lift Trucks, Heavy Duty Reach Stacker and Automobile Vehicles are being carried out.

It is also certified that during the training period their behavior, conduct and aptitude towards work were good.



  
Superintending Engineer (M), ICE. ✓



No. D1/ICE/Internship/VCET/10/2023-M

Dated: 29.05.2023

To,

The Principal,  
Viswajyothi College of Engineering & Technology,  
Vazhakulam P O, Muvattupuzha,  
Ernakulam-686670.

Sir,

Sub: Internship for Mechanical Engineering Students-reg.

Ref: Letter of the Principal vide No. F-07:VJC/Adm/GC/2023-102 dated 12.05.2023

\*\*\*\*\*

This is to inform that the below named 5 Nos. 4<sup>th</sup> Semester, Mechanical Engineering B Tech. students of your institution have satisfactorily completed their practical training at Cochin Port Authority for a period from 15.05.2023 to 27.05.2023 as a part of internship program:-

- (1) Sri. Emmanuel Lejoy
- (2) Sri. Bibin S
- (3) Sri. Dibin Shajan
- (4) Sri. Joel Jais
- (5) Sri. Ashik Asok

During the above period, the students have undergone training at I C Engines Division where the maintenance of Fork Lift Trucks, Heavy Duty Reach Stacker and Automobile Vehicles are being carried out.

It is also certified that during the training period their behavior, conduct and aptitude towards work were good.



Superintending Engineer (M), ICE.



No. D1/ICE/Internship/VCET/10/2023-M

Dated: 29.05.2023

To,

The Principal,  
Viswajyothi College of Engineering & Technology,  
Vazhakulam P O, Muvattupuzha,  
Ernakulam-686670.

Sir,

Sub: Internship for Mechanical Engineering Students-reg.

Ref: Letter of the Principal vide No. F-07:VJC/Adm/GC/2023-102 dated 12.05.2023

\*\*\*\*\*

This is to inform that the below named 5 Nos. 4<sup>th</sup> Semester, Mechanical Engineering B Tech. students of your institution have satisfactorily completed their practical training at Cochin Port Authority for a period from 15.05.2023 to 27.05.2023 as a part of internship program:-

- (1) Sri. Emmanuel Lejoy
- (2) Sri. Bibin S
- (3) Sri. Dibin Shajan
- (4) Sri. Joel Jais
- (5) Sri. Ashik Asok

During the above period, the students have undergone training at I C Engines Division where the maintenance of Fork Lift Trucks, Heavy Duty Reach Stacker and Automobile Vehicles are being carried out.

It is also certified that during the training period their behavior, conduct and aptitude towards work were good.



  
Superintending Engineer (M), ICE.





# CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS PROUDLY PRESENTED TO

**NIBIN SABU**

*from*

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

IN RECOGNITION OF HIS/HER PARTICIPATION IN 7 DAYS  
INTERNSHIP PROGRAM ON RACING TECHNOLOGY  
AND ENGINE TUNING CONDUCTED  
BY GENZEE TECHNOLOGIES LLP  
IN COLLABORATION WITH YAMAHA  
FROM 09-05-2023 TO 15-05-2023.

17-05-2023

Date

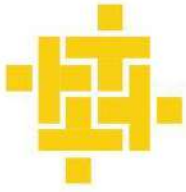


Amar Mohammed  
Director  
Genzee Technologies LLP  
Muvattupuzha - 686661



#startupindia





TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

**Abin Jose**

has successfully completed course on **AutoCAD**  
with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-5252  
Date : 17/05/2023



TEACHNOOK



WISSENAIRE  
IIT BHUBANESHWAR



HR-Manager

Academic Head

Verified Certificate

A Verified Certificate from Teachnook can provide a proof for a student or other institution, an employer or other institution, that you have successfully completed an online course

# Certificate of Course Completion

**Ben Samuel**

has successfully completed course on **AutoCAD**  
with Teachnook from **01/03/2023 To 30/04/2023**

During this course, the student has found to be keen and enthusiastic Candidate.

Certificate ID : TNINTC22-5251  
Date : 17/05/2023

CAD230038



# CERTIFICATE

This is to certify that

**VIVEK JOBY VARKEY**

of

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY**

has successfully completed a 5 day internship in the field of **AutoCAD & Revit MEP** from 16<sup>th</sup> May 2023 to 20<sup>th</sup> May 2023. During this period he got exposed to industry relevant softwares like **AutoCAD, Revit MEP** and actively participated in hands-on exercises.

25-05-2023

Date



A handwritten signature in black ink.

Deepak Rajan  
Founder & CEO  
Techmaghi

Recognized by



MSME  
MEDIUM, SMALL & MICRO ENTERPRISES  
18th, 19th & 20th 2024



#startupindia







VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM



Department of Civil Engineering



### BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled “**PLANNING, ANALYSIS AND DESIGN OF A SCHOOL BUILDING**” is a bonafide record of the work done by **AMAL REJI (VJC19CE007), DEVADHATH MOHAN (VJC19CE026), DONA JOSE (VJC19CE029), JESMIN JOSEPH (VJC19CE046)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: 26-05-2023

Place: Vazhakulam



Ms. Meril Jose  
Project Guide  
Assistant Professor  
CE Dept, VJCET

Dr. Neena M Joseph  
Project Coordinator  
Assistant Professor  
CE Dept, VJCET

Dr. Shine George  
HOD  
CE Dept, VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**DAM BREAK ANALYSIS OF IDAMALAYAR DAM USING HEC-RAS**” is a bonafide record of the work done by **ANNA MARIA GEORGE (VJC19CE014), ARAVIND RAJEEV (VJC19CE016), DILNA K C (VJC19CE028), HARISANKAR MADHU (VJC19CE042)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram

Date: 26-05-2023

Place: Vazhakulam

Project Guide

Dr. Anoop C K

Professor, CED

VJCET

Project Coordinator

Dr. Neena M Joseph

Professor, CED

VJCET



Dr. Shine George

HOD, CED

VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled **“FRUIT SEEDS AS POTENTIAL COAGULANTS IN WATER PURGATION”** is a bonafide record of the work done by **ELIZABATH SHAJAN (VJC19CE033), LEKSHMI AJAYAKUMAR (VJC19CE050), THOMAS KURIAN(VJC19CE075), YEDUKRISHNA C.V (VJC19CE081)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date : 27/05/23

Place: Vazhakulam

**Project Guides**

**Mrs. Finu John &**

**Mrs. Rani Maria Thomas**

**Asst. Professor, CED**

**VJCET**

**Project Coordinator**

**Dr. Neena M Joseph**

**Asst. Professor, CED**

**VJCET**

**Dr. Shine George**

**HOD, CED**

**VJCET**





**VISWAJYOTHI COLLEGE OF ENGINEERING  
AND TECHNOLOGY, VAZHAKULAM**





**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

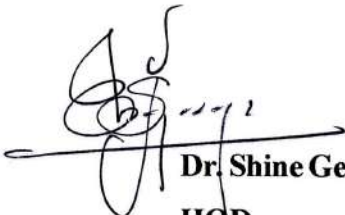
This is to certify that the Project Report entitled “WASTE FOUNDRY SAND AS PARTIAL REPLACEMENT OF FINE AGGREGATE IN CONCRETE” is a bonafide record of the work done by ANGEL MARY JOSHY (VJC19CE004), JASWANTH SADASIVAN (VJC19CE044), VANDHANA P V (VJC19CE077), VARGHESE J PUTHUMANATHOTTY (VJC19CE078) in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram

  
**Project Coordinator**  
**Dr. Neena M Joseph**  
**Assistant Professor**  
**CE Dept. VJCET**

  
**Project Guide**  
**Mr. Lins Paul Kuriakose**  
**Assistant Professor**  
**CE Dept. VJCET**

Date: 26-05-2023  
Place: Vazhakulam



  
**Dr. Shine George**  
**HOD**  
**CE Dept. VJCET**



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM



Department of Civil Engineering



### BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled "**TORSIONAL RESISTANCE OF POLYPROPYLENE FIBRE REINFORCED CONCRETE BEAMS.**" is a bonafide record of the work done by **AMAL KOSHY GEORGE (VJC19CE006), SARATH MOHANAN (VJC19CE068), SHONE SHAJU (VJC19CE071), VARUN JACOB (VJC19CE079)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: 26-04-2023

Place: **Vazhakulam**

**Mrs. Tina Jose**

**Project Guide**

**Assistant Professor**

**CE Dept, VJCET**

**Dr. Neena M Joseph**  
**Project Coordinator**  
**Assistant Professor**  
**CE Dept, VJCET**



**Prof. Dr. Shine George**

**HOD**

**CE Dept, VJCET**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled **“MICRO SILICA AS PARTIAL REPLACEMENT OF CEMENT IN CONCRETE”** is a bonafide record of the work done by **ANN MARIYA BABY (VJC19CE015), ARIF ALI (VJC19CE017), MUHAMMED P.A. (VJC19CE054), SANDHRA SIBI (VJC19CE063)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram

Date : 03-05-2023

Place: Vazhakulam

**Project Guide**

**Mr. Lins Paul Kuriakose**

**Asst. Professor, CED**

**VJCET**

**Project Coordinator**

**Dr. Neena M Joseph**

**Asst. Professor, CED**

**VJCET**



**Dr. Shine George**

**HOD, CED**

**VJCET**



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM



Department of Civil Engineering



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**BENDABLE CONCRETE: ENGINEERING CEMENTITIOUS COMPOSITE**” is a bonafide record of the work done by **AKHILAMOL SIBI (VJC19CE003), B.GANESHRAJ (VJC19CE022), DONI BIJU (VJC19CE030), RADHIKA RATHEESH (VJC19CE057)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram

Date : 26-05-2023

Place : Vazhakulam

Project Guide *Bijimol*  
Mrs. Bijimol Joseph  
Asst. Professor, CED  
VJCET

*Neena M Joseph*  
Project Coordinator  
Dr. Neena M Joseph  
Asst. Professor, CED  
VJCET



*Shine George*  
Dr. Shine George  
HOD, CED  
VJCET



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM



Department of Civil Engineering



### BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled “MYCELIUM BUILDING MATERIALS-A FUTURE SUSTAINABLE CONSTRUCTION MATERIAL” is a bonafide record of the work done by ANIRUDH MANOJ (VJC19CE009), ANKITHA MANOJ (VJC19CE013), ROBIN O.J (VJC19CE059), VAISHNAV C.S (VJC19CE076) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Civil Engineering of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: 26-05-2023

Place: Vazhakulam

Dr. Neena M Joseph  
Project Coordinator  
Assistant Professor  
CE Dept, VJCET



Mrs. Finu John

Project Guide  
Assistant Professor  
CE Dept, VJCET

Dr. Shine George  
HOD  
CE Dept, VJCET





**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



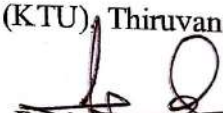
**Department of Civil Engineering**




**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**HOSPITAL WASTEWATER TREATMENT USING ELECTRO-COAGULATION METHOD**” is a bonafide record of the work done by **MUHAMMED JEFIN S (VJC19CE053), ROSE MARIYA VINCENT (VJC19CE061), ROSHNA LISS MATHEW (VJC19CE062), STEPHEN P SANTHOSH (VJC19CE074)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: 27<sup>th</sup> May  
2023 Place: Vazhakulam

  
~~Project Guide~~  
**Mr. Lins Paul Kuriakose**  
Asst. Professor, CED  
VJCET

  
**Project Coordinator**  
**Dr. Neena M Joseph**  
Asst. Professor, CED  
VJCET



  
**Dr. Shine George**  
HOD, CED  
VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**



**Department of Civil Engineering**



### **BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**THE EFFECTIVE USE OF KADUKKAI ALONG WITH BAGASSE ASH IN CONCRETE**” is a bonafide record of the work done by **ASHLY ASOK (VJC19CE019), DANI BIJU (VJC19CE024), SARA MUJEEB (VJC19CE067), OUSEPPACHAN BASIL (LVJC19CE082)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of **APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.**

Date: **26-05-2023**

Place: **Vazhakulam**



**Mr. Appu John**

**Project Guide**

**Assistant Professor**

**CE Dept, VJCET**

**Dr. Neena M Joseph**

**Project Coordinator**

**Assistant Professor**

**CE Dept, VJCET**

**Dr. Shine George**

**HOD**

**CE Dept, VJCET**



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project report entitled “**ADVANCED PILING METHODS INCORPORATING FLY ASH TO IMPROVE DRILLING FLUID PROPERTIES**” is a bonafide record of the work done by **ANJANA BIJU (VJC19CE012), ARUN RAJAN (VJC19CE018), HANSA NOUSHAD (VJC19CE039), JOBIN WILSON (VJC19CE048)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of A P J Abdul Kalam Technological University (KTU).

Date: 19/06/2023  
Place: Vazhakulam



**Mrs. SOUMYA RANI P THOMAS**  
Project Coordinator  
Assistant Professor  
CE Dept., VJCET

**Mrs. AMRUTHA S**  
Project Guide  
Assistant Professor

**Dr. SHINE GEORGE**  
HOD  
CE Dept., VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIED CERTIFICATE**

This is to certify that the Project report entitled “EFFECT OF ADDITION OF GGBS IN CEMENT TREATED SUB BASE” is a bonafide record of the work done by AISWARYA RAJU (VJC19CE002), BEN VARGHESE PAUL (VJC19CE021), GOURI PRIYA N NAIR (VJC19CE038), LISHA C (VJC19CE051) in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU).

**Date: 24-04-2023**

**Place: Vazhakulam**

**Project Coordinator**  
**Soumya Rani P Thomas**  
**Assistant Professor**  
**VJCET**

**Mrs. Amrutha S**  
**Project Guide**  
**Assistant Professor**  
**CE Dept, VJCET**

**Dr. Shine George**  
**HOD, CED**  
**VJCET**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Civil Engineering**



**BONAFEDE CERTIFICATE**

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF AN ADMINISTRATIVE BUILDING USING ETABS**” is a Bonafede record of the work done by **HARIPRIYA BIJU(VJC19CE041), JEEVAN JAMES (VJC19CE045), NAVANEETHA S (VJC19CE055), ROBIN THOMAS(VJC19CE060)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: **10-05-2023**

Place: **Vazhakulam**



  
**Mr. Appu John**

**Project guide**

**Assistant Professor**

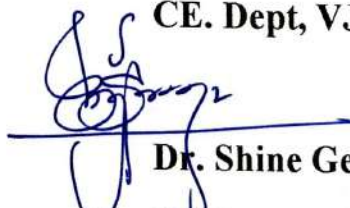
**CE. Dept, VJCET**

  
**Mrs. Soumya Rani P Thomas**

**Assistant Professor**

**Project Coordinator**

**CE. Dept, VJCET**

  
**Dr. Shine George**

**HOD**

**CE. Dept, VJCET**



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**Department of Civil Engineering**




**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “**DESIGN AND COST ANALYSIS OF DRAINAGE AT ALAPUZHA(NH-66)**” is a bonafide record of the work done by **E.GEEVARGHESE(VJC19CE031), GEORGE M JOSE (VJC19CE035), MUHAMMED ANSHIL REZVI(VJC19CE52), VYSAKH AS(VJC19CE080)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of A P J Abdul Kalam Technological University (KTU),Thiruvananthapuram.

Date:16-06-2023

Place: **Vazhakulam**


  
Dr. Neena M Joseph

  
Mrs. Rani Mariya Thomas

**Project Guide**

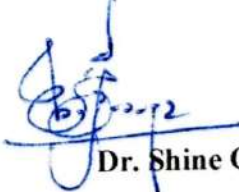
**Assistant Professor**

**CE Dept, VJCET**

  
Mrs. Soumya Rani P Thomas

**Project Coordinator**

**Assistant Professor**

  
Dr. Shine George

**HOD**

**CE Dept, VJCET**



**VISWAJYOTHI COLLEGE OF ENGINEERING  
AND TECHNOLOGY, VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled "**SAWDUST ASH AS PARTIAL REPLACEMENT OF SOIL IN MBRICK.**" is a bonafide record of the work done by **ANITHA BENNY (VJC19CE010), ANITTA JOSEPH (VJC19CE011), SHERIN LINA GEORGE (VJC19CE070), SIVAPRIYA S NAIR (VJC19CE072)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of APJ Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: 03-05-2023

Place: **Vazhakulam**



**Mrs. Tina Jose**  
**Project Guide**  
**Assistant Professor**  
**CE Dept, VJCET**

**Mrs. Soumya Rani P Thomas**  
**Project Coordinator**  
**Assistant Professor CE Dept, VJCET**

**Prof. Dr. Shine George**  
**HOD**  
**CE Dept, VJCET**



## DEPARTMENT OF CIVIL ENGINEERING



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

VAZHAKULAM, KERALA STATE, PIN 686670



### BONAFIDE CERTIFICATE

**FEBA BIJU (VJC19CE034), JANET JAMES(VJC19CE043), JOYAL RAJU  
KANNETH (VJC19CE049), RIZWANA SALAM(VJC19CE058)**

*Of the Seventh Semester B.Tech. (Civil Engineering) in partial fulfilment of the academic requirements for the award of degree of Bachelor of Technology in Civil Engineering in the year 2022 from Viswajyothi College of Engineering and Technology under the APJ Abdul Kalam Technological University, Trivandrum.*

Date: 26-04-2023

Place: Vazhakulam



Ms. Meril Jose

Project Guide

Assistant Professor

CE Dept, VJCET

Mrs. Soumya Rani Thomas

Project Coordinator

Assistant Professor

CE Dept, VJCET

Prof. Dr. Shine George

HOD

CE Dept, VJCET





**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**Department of civil engineering**




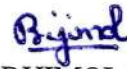
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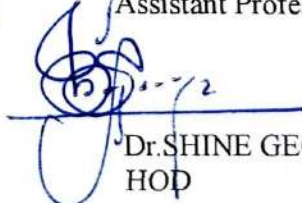
This is to certify that the mini project report entitled “**PARTIAL REPLACEMENT OF CEMENT IN CONCRETE BY A COMBINATION OF WASTE PAPER PULP ASH AND FLY ASH**” is a bonafide record of the work done by **ALAN SUNNY (VJC19CE004), GOKULNATH M (VJC19CE036), GOKUL VIKRAM (VJC19CE037), HARIKRISHNAN T P (VJC19CE040)** in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Civil Engineering of A P J Abdul Kalam Technological University (KTU).

Place: Vazhakulam  
Date: 10/05/2023



  
Mrs SOUMYA RANI P THOMAS  
Asst. Professor  
Project Coordinator

  
Mrs. BIJIMOL JOSEPH  
Project Guide  
Assistant Professor

  
Dr. SHINE GEORGE  
HOD  
CE Dept, VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the mini project report entitled “**COMPARATIVE STUDY ON UTILIZATION OF PLASTIC WASTE AND CIGARETTE BUTTS IN BITUMINOUS MIXES**” is a bonafide record of the work done by **DHEERAJ RAJU (VJC19CE027), PARVATHI SURESH (VJC19CE056), SETHULAKSHMI P H (VJC19CE069), SONA MARIYAM SUNNY (VJC19CE073)** in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Civil Engineering of A P J Abdul Kalam Technological University (KTU).

Place: Vazhakulam

Date: 19-06-2023

Mrs. SOUMYA RANI P THOMAS

Project Guide

Assistant Professor

CE Dept, VJCET

Mrs. SOUMYA RANI P THOMAS

Project Coordinator

Assistant Professor

CE Dept, VJCET

Dr. SHINE GEORGE

Head of the Department

CE Dept, VJCET



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project report entitled “**STABILIZATION OF BLACK COTTON SOIL USING BOTTOM ASH AND CINER STONE DUST**” is a bonafide record of the work done by **ABDUL AZEEZ (VJC19CE001), ATHUL JOBY (VJC19CE020), ELDHO BABU (VJC19CE032), SANJU BIJU (VJC19CE065)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of A P J Abdul Kalam Technological University (KTU).

Date: 20/06/2023  
Place: Vazhakulam

**Mrs. SOUMYA RANI P THOMAS**  
Project Coordinator  
Assistant Professor  
CE Dept., VJCET

**Dr. ANOOP C K**  
Project Guide  
Assistant HOD

**Dr. SHINE GEORGE**  
HOD  
CE Dept., VJCET





**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**




**Department of Civil Engineering**




**BONAFIDE CERTIFICATE**

This is to certify that the Project report entitled "**PARTIAL REPLACEMENT OF STIRRUPS WITH GEOGRID ON REINFORCED CONCRETE BEAM**" is a bonafide record of the work done by **ALBERT SEBASTIAN (VJC19CE005)**, **DAWN MATHEW VINCE (VJC19CE025)**, **JIBIN JOHNSON (VJC19CE047)**, **SANJU GEORGE KURIEN (VJC19CE066)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Civil Engineering** of A.P.J Abdul Kalam Technological University (KTU), Thiruvananthapuram.

Date: **03-05-2023**  
Place: **Vazhakulam**

Project Guide   
**Dr. Neena M Joseph**  
Assistant Professor, CED  
VJCET

  
Project Coordinator  
**Mrs. Soumya Rani P Thomas**  
Assistant Professor, CED  
VJCET

  
**Dr. Shine George**  
HOD, CED  
VJCET



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

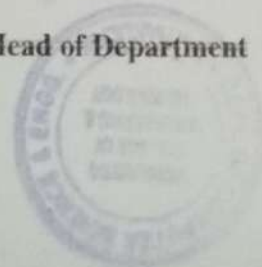
This is to certify that the project report entitled “VOICE AND GESTURE BASED VIRTUAL DESKTOP ASSISTANT” is a bonafide work done by Ms. ANN MARY MATHEW (VJC19CS036), Ms. ANUMOL THANKACHAN (VJC19CS039), Ms. IRENE SUNNY (VJC19CS072), Ms. THARA ROSE ANTONY (VJC19CS121) in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

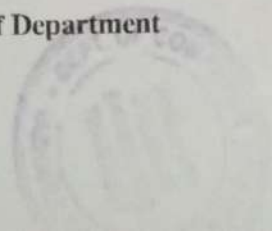
This is to certify that the project preliminary report entitled “ ONLINE TRANSACTION AND CREDIT CARD FRAUD DETECTION SYSTEM ” is a bonafide record of the work done by DEVIKA MANI SANKAR (VJC19CS052), DILNA ELIZABATH ROY (VJC19CS055), JIYA JOHNSON (VJC19CS078), SNEHA MARIA BIJU (VJC19CS115) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering of APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “ **DRIVER DROWSINESS DETECTION SYSTEM** ” is a bonafide record of the work done by Ms. **ALIN MARY ELDHOSE(VJC19CS020)**, Ms. **ANJU MARY THOMAS(VJC19CS032)**, Ms. **AVANTHIKA R(VJC19CS047)**, Ms. **MINNU BENNY (VJC19CS094)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

A handwritten signature in black ink, appearing to be 'S. S. S.', written over a horizontal line.

**Internal Supervisor**

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

**External Supervisor**

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

**Project Coordinator**

A handwritten signature in blue ink, appearing to be 'S. S. S.', written over a horizontal line.

**Head of Department**




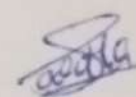
VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




BONAFIDE CERTIFICATE

Certified that project work entitled “ Job Forecasting Based On The Patent Information” is a bonafide work done by Mr. Ajin VM, Mr. Anandhu Vasu, Mr. Ben Thomas, Mr. Sooraj Shaji University Register No.VJC19CS009, VJC19CS025, VJC19CS049. VJC19CS116 in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
Head of Department





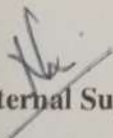
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




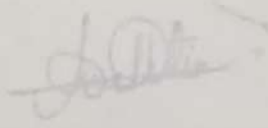
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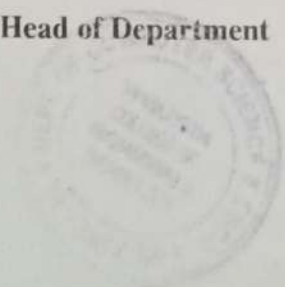
This is to certify that the project report entitled “ PNEUMONIA DETECTION USING CNN AND DEEP LEARNING ” is a bonafide record of the work done by ANNA MANOJ (VJC19CS033), ASHNA NAZAR (VJC19CS045), GEORGINA ANN LEONS (VJC19CS066), GEORGIN JOY (VJC19CS067) in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

  
Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
Head of Department



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TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled " **BRAIN TUMOR DETECTION AND DRUG SUGGESTION USING DEEP LEARNING AND IMAGE PROCESSING** " is a bonafide record of the work done by **AKHIL M REGI (VJC19CS011)**, **AMAL ABRAHAM (VJC19CS024)**, **ASHIK PAUL (VJC19CS041)**, **ASHWIN ELDOSE (VJC19CS046)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

This is to certify that the project work entitled “**CropiGo - Crop Recommendation System**” is a bonafide work done by **ALAN D ANDOOR (VJC19CS013)**, **MATHEW K SHIBU (VJC19CS088)**, **NELVIN MATHEW (VJC19CS095)** and **ROSHAN SHAJI (VJC19CS107)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



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BONAFIDE CERTIFICATE

This is to certify that the project preliminary report entitled “ AI-POWERED THREAT DETECTOR FOR INTELLIGENT SURVEILLANCE SYSTEM ” is a bonafide record of the work done by ABINO POULOSE ( VJC19CS004 ) , ALBIN THOMAS ( VJC19CS015 ) , ALEN BELJI ( VJC19CS017 ) , ALVIN BENEDICT ( VJC19CS023 ) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering of APJ Abdul Kalam Technological University, during the academic year 2022-2023

*Sabitha Raju*  
24/5/23  
*Sabitha Raju*

Internal Supervisor

*[Signature]*

External Supervisor

*[Signature]*

Project Coordinator

*[Signature]*

Head of Department



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TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

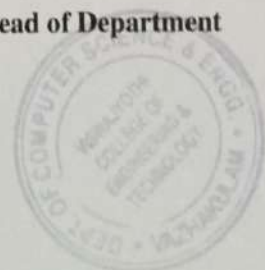
This is to certify that the project report entitled "PERSONAL ASSISTANT FOR THE VISUALLY IMPAIRED" is a bonafide work done by AIRIN SUSAN WILSON ( VJC19CS007),ELIZABETH LOVIN( VJC19CS063),MEERA SUSAN REGI( VJC19CS091), RESHMA JOY(VJC19CS104) in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



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TECHNOLOGY, VAZHAKULAM

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BONAFIDE CERTIFICATE

This is to certify that the project report entitled “ **BLOCKCHAIN - BASED MANAGEMENT FOR ORGAN DONATION AND TRANSPLANTATION** ” is a bonafide record of the work done by **Adwaith P.A ( VJC19CS006 )**, **Ashil Krishna P.S ( VJC19CS042 )**, **Mahin Nassar ( LVJC19CS126 )**, **Sharon Jos Johnson ( VJC19CS046 )** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



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VAZHAKULAM, 686670



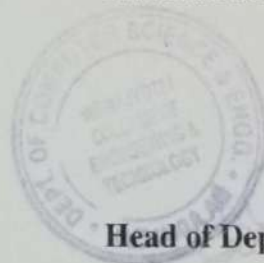
**BONAFIDE CERTIFICATE**

This is to certify that project work entitled “**Enhancing Electoral Transparency: Empowering Voting Systems with Blockchain**” is a bonafide work done by **Ms. Alha Mary Jacob** University Register No.**VJC19CS019**, **Ms. Elizabeth George** University Register No.**VJC19CS062**, **Mr. Ivin Rafi George** University Register No.**VJC19CS073**, **Ms. Mariya Roy** University Register No.**VJC19CS087** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

**Internal Supervisor**

**Project Coordinator**

**External Supervisor**



**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

Certified that project work entitled " Early Detection of SLD in Children " is a bonafide work done by Ms. Ann Maria Dominic (VJC19CS034), Ms. Kalyani Babu (VJC19CS083), Ms. Sandra Skaria (VJC19CS110) and Ms. Veena R (VJC19CS124) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from API Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department





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TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the project report entitled “ **BLOCKCHAIN BASED WHISTLEBLOWING PLATFORM** ” is a bonafide record of the work done by **DIJO DAISON (VJC19CS053), ANANTHA KRISHNAN K.S (VJC19CS027), JEFRI ELDHOS JOY (VJC19CS076), ALLEN SAJIMON (VJC19CS022)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology** in **Computer Science and Engineering** of APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



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VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

Certified that project work entitled “**Diabetic Retinopathy Detection**” is a bonafide work done by **Ms. Anjaly Biju (VJC19CS030)** , **Ms. Grace Maria Babu (VJC19CS068)** , **Ms. Meenakshy Devan (VJC19CS090)** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



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BONAFIDE CERTIFICATE

Certified that project work entitled “ **Health Insurance Cost Prediction using Machine Learning** ” is a bonafide work done by ANN MARY PETER (VJC19CS037), BINDHIYA C PHILIP (VJC19CS051), MARIA MANOJ (VJC19CS086) and PRIYALA BABU (VJC19CS102) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



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TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the project report entitled " AN EFFICIENT STUDENT PERFORMANCE EVALUATION AND RESULT PREDICTION SYSTEM " is a bonafide record of work done by ALBIN BIJU ( VJC19CS014 ), ANIL BIJU ( VJC19CS028 ), DION ABRAHAM JORDY ( VJC19CS056 ), ELDHOSE ROY ( VJC19CS060 ) in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-23.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department

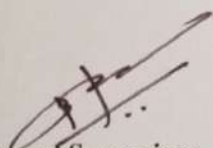


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TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**




**BONAFIDE CERTIFICATE**


Certified that project work entitled “ **Mical -Blockchain based framework for Vehicle management system** ” is a bonafide work done by **ANN MARY JOSHY(VJC19CS035), EVELIN MARTIN(VJC19CS064), PARVANA PRAKASH N(VJC19CS099)** in partial fulfillment of the award of the **Degree of Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.



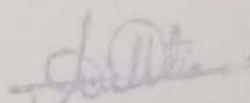
**Internal Supervisor**



**External Supervisor**



**Project Coordinator**



**Head of Department**



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TECHNOLOGY, VAZHAKULAM

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BONAFIDE CERTIFICATE

This is to certify that the project report entitled "B-HEAL: A FRAMEWORK FOR INTEGRATING HEALTH CARE SERVICES" is a bonafide work done by AKASH SHAJI (VJC19CS010), ALAN BABY (VJC19CS012), BASIL PAUL (VJC19CS048), DION PAUL GEORGE (VJC19CS057) in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department




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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

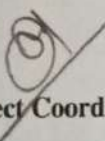


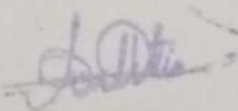
**BONAFIDE CERTIFICATE**

Certified that project work entitled “ **MOTIF-A REAL TIME MOCK INTERVIEW PLATFORM**” is a bonafide work done by **ANJALI K R(VJC19CS029),ANJU BABY(VJC19CS031), JULIYA T JAMES(VJC19CS082),KRISHNAJA BINUMON(VJC19CS084)** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
**Dona Jose**  
Internal Supervisor

External Supervisor

  
Project Coordinator

  
Head of Department



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the project work entitled “ A WEB 3.0 REAL ESTATES MANAGEMENT SYSTEM ” is a bonafide work done by ABEL ANIL (VJC19CS001), ADITHYAKRISHNAN(VJC19CS005), ANANTHAKRISHNAN(VJC19CS026), SHAUN BIJU(VJC19CS113) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**





VISWAJYOTHI COLLEGE OF ENGINEERING AND  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the project report entitled “ ALZHEIMER’S DISEASE DETECTION ” is a bonafide record of the work done by ALEENA GEORGE (VJC19CS016), MINNA ANTU (VJC19CS093), TANIYA TIJO (VJC19CS119) and TESS MARY GEORGE (VJC19CS120) in the partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

Certified that project work entitled "Road Damage Detection Using YOLO" is a bonafide work done by Mr. JOSU GEO University Register No: VJC19CS081 , Mr. ELDHO VARGHESE University Register No: VJC19CS061, Mr. PRIVAL BINDU PRAKASH University Register No: VJC19CS101, in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor



Head of Department

Project Coordinator

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the project report entitled " SIGN LANGUAGE COMMUNICATION SYSTEM " is a bonafide record of the work done by Ms. ABHIRAMI BLJU (VJC19CS003), Ms. HIBA V SIDHEEK (VJC19CS071), Ms. SHAFNA JAFFER (VJC19CS111), Ms. THERESA MARY SURESH (VJC19CS122) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering of APJ Abdul Kalam Technological University.

*BLJU*  
*16/06/2023*  
*Dr. S. P. Predeep Kumar*  
Internal Supervisor

*[Signature]*  
External Supervisor

*[Signature]*  
Project Coordinator



*[Signature]*  
Head of Department

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

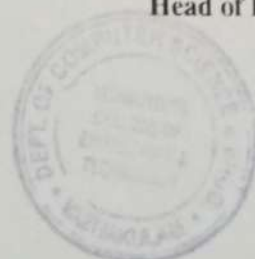
Certified that project work entitled “ Traffic Sign Detection and Voice Alerting System ” is a bonafide work done by **AJAI C HARISH (VJC19CS008)** , **ASHIQUE A M (VJC19CS044)** , **FEMIL FRANCIS (VJC19CS065)** , **HARISANKAR C D (VJC19CS070)** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



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TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “ **MEDIOCRE: A BLOCKCHAIN BASED COUNTERFEIT MEDICINE AUTHENTICATION SYSTEM** ” is a bonafide record of the work done by **ANOOPA MEERA BABY (VJC19CS038), JELENA JOJO (VJC19CS077), JOSMY JOHNY (VJC19CS080), SHIFA JOSHY (VJC19CS08114)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of **APJ Abdul Kalam Technological University**.

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**



**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

Certified that project work entitled “ **Universal Application For Electrical Vehicles** ” is a bonafide work done by **Ms.Hanna Thomas** University Register No.**VJC19CS069** , **Ms.Niniya Sugathan** University Register No.**VJC19CS096** , **Ms.Niranjana Roy** University Register No.**VJC19CS097** and **Ms.Sandra Ann Shibu** University Register No.**VJC19CS109** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from API Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

Internal Supervisor

External Supervisor

Project Coordinator




Head of Department

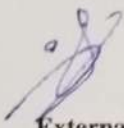
VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



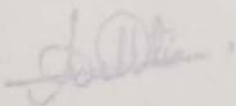
**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "TEXT EMOTION CAPTURER" is a bonafide record of the work done by **BEN VARGHESE (VJC19CS050)**, **JACOB GEORGE (VJC19CS074)**, **MATHUKUTTY MANOJ (VJC19CS089)**, **SOYAL SUNNY (VJC19CS117)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Computer Science and Engineering** of APJ Abdul Kalam Technological University.

  
Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
Head of Department



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that project work entitled “ **SECURED INSURANCE MANAGEMENT SYSTEM** ”  
is a bonafide work done by **ASHIN SHINE(VJC19CS043)**, **EDWIN CHACKO(VJC19CS059)**,  
**JEFIN JAMES(VJC19CS075)** in partial fulfillment of the award of the Degree of **Bachelor**  
of **Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological  
University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



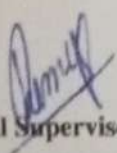



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TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



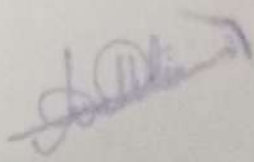
**CERTIFICATE**

This is to certify that the project report entitled " PLANT PEST DETECTION AND MEASURES" is a bonafide work done by **DIYA ANNA VARGHESE(VJC19CS058)**, **MEHANOOR BASHEER(VJC19CS092)**, **TINCY TOMY(VJC19CS123)**, **VEENA REGIKUMAR(VJC19CS125)** in partial fulfillment for the award of the **Degree of Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
Head of Department



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that project work entitled "E-SECURE SAFE KEEPING OF FORENSIC EVIDENCES USING BLOCKCHAIN" is a bonafide work done by ALKA PAULSON(VJC19CS021), NITHARA K BABY(VJC19CS098), REVATHY SATHEESAN(VJC19CS105) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science and Engineering from APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator

Head of Department



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that project work entitled “ **Bullyjammer: Detecting and Preventing of Cyberbullying in Social Media**” is a bonafide work done by **ABHINI M AJI (VJC19CS002)** , **LIYA MATHEW (VJC19CS085)** , **RAJALAKSHMI RAJ (VJC19CS103)** , **SUSAN SHIBU (VJC19CS118)** in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that project work entitled “**Scrap Lane:Blockchain and ML Based System To Facilitate Scrapping of Cars**” is a bonafide work done by **Mr.Ashbin Roy** University Register No. (VJC19CS040) ,**Mr.Dilan Joseph** University Register No. (VJC19CS054) ,**Mr.Paul Vincent** University Register No. (VJC19CS100) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**



**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that project work entitled " **EMPROVE - AN EMPLOYEE PRODUCTIVITY SYSTEM USING MACHINE LEARNING** " is a bonafide work done by **ALEN GEORGE (VJC19CS018), JOEL RAJU (VJC19CS079), ROSHAN ROY (VJC19CS106), SAN BABY FRANCIS (VJC19CS108)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from **APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala** during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Project Coordinator**

**Head of Department**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "LOGISTIC ROBOT" is a bonafide record of the work done by ANN MARIA VINOD (Reg No: VJC19EC015), ANN MARY JAMES (Reg No: VJC19EC016), DEVIKA SUBASH (Reg No: VJC19EC033) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

External Examiner

Dr. Naveen Jacob

HOD

ECE Dept. VJCET

Mrs. Smitha Cyriac

Project Guide

Assistant Professor

ECE Dept. VJCET

Mrs. Merlin Thomas

Project Coordinator

Assistant Professor

ECE Dept. VJCET

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "RESTAURANT SERVICE ROBOT" is a bonafide record of the work done by ANITTA MAVIN (Reg.No:VJC19EC014), BIJILA M ELDHO (Reg.No:VJC19EC027), KRISHNA S BIJU (VJC19EC052) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

External Examiner

Dr. Naveen Jacob

HOD

ECE Dept., VJCET

Mrs. Lekshmi MS

Project Guide

Assistant Professor

ECE Dept., VJCET

Mrs. Merlin Thomas

Project Coordinator

Assistant Professor

ECE Dept., VJCET

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "PIPELINE INSPECTION ROBOT" is a bonafide record of the work done by ALBIN SABU (Reg No: VJC19EC009), JOE P B (Reg No: VJC19EC046), THOMASKUTTY TALVAR (Reg No: VJC19EC079) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

**Mrs. Cuckoo Anitha Joseph**  
**Project Guide**  
**Assistant Professor**  
**ECE Dept: VJCET**

**Dr. Naveen Jacob**  
**HOD**  
**ECE Dept: VJCET**

**Mrs. Merlin Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**ECE Dept: VJCET**

**External Examiner**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “ **COMPARATIVE ANALYSIS FOR PERFORMANCE EVALUATION OF FULL ADDERS USING REVERSIBLE LOGIC GATES** ” is a bonafide record of the work done by **AJITH GEORGE LOUIS(Reg No:VJC19EC006)**, **AKSHAY SANKAR P (Reg No: VJC19EC007)** , **ASHIK GEORGE(Reg No: VJC19EC021)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

*Mrs. Merlin Thomas*

**Mrs. Merlin Thomas**

**Project Guide**

**Assistant Professor**

**ECE Dept., VJCET**

*Mrs. Merlin Thomas*

**Mrs. Merlin Thomas**

**Project Coordinator**

**Assistant Professor**

**ECE Dept., VJCET**

*Dr. Naveen Jacob*

**Dr. Naveen Jacob**

**HOD**

**ECE Dept: VJCET**

*External Examiner*

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "SMART SPRINKLER FOR FIRE EXTINGUITION" is a bonafide record of the work done by ADORN IYPACHEN (Reg No: VJC19EC004), ARYA MANOHAR (Reg No: VJC19EC020), BASIL BENNY (Reg No: VJC19EC025) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

*Merlin Thomas*

Ms. Merlin Thomas  
Project Coordinator  
Assistant Professor  
ECE Dept., VJCET

Dr. Tony D *Tony*  
Project Guide  
Assistant Professor  
ECE Dept., VJCET

*Naveen Jacob*

Dr. Naveen Jacob  
HOD  
ECE Dept: VJCET

*Jines*  
External Examiner

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

**This is to certify that the project phase-II report entitled "MAGIC MIRROR AI" is a bonafide record of the work done by EDWIN SIBY (Reg.No.VJC19EC037), ROHAN SUDHOY (Reg.No.VJC19EC067) and STEBIN JOSE (Reg.No.VJC19EC077) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.**

**Date:** .....

**Place:** Vazhakulam

**Ms. Merlin Thomas**

**Project Coordinator**

**Assistant Professor**

**Dept. of ECE, VJCET**

**Dr. Naveen Jacob**

**Head**

**Dept. of ECE, VJCET**

**Mr. Manu Jose**

**Project Guide**

**Assistant Professor**

**Dept. of ECE, VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "TRASHBOT" is a bonafide record of the work done by DINU JOY (Reg No: VJC19EC035), MARIA REENA ROY (Reg No: VJC19EC054), SANDRA SANTY (Reg No: VJC19EC071) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

**Mrs. V.K. Vanitha Rugmoni**

**Project Guide**

**Assistant Professor**

**ECE Dept., VJCET**

**Mrs. Merlin Thomas**

**Project Coordinator**

**Assistant Professor**

**ECE Dept., VJCET**

**Dr. Naveen Jacob**

**HOD**

**ECE Dept., VJCET**

**External Examiner**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "FACE RECOGNITION GLASS" is a bonafide record of the work done by **ANTONY JOSE (Reg No: VJC19EC017)**, **JIBIN JOY (Reg No: VJC19EC045)** and **TONY JOHN (RegNo: VJC19EC080)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

*U. B. @H Rugmoni*

Mrs. Vanitha Rugmoni  
Assistant Professor  
ECE Dept., VJCET  
Project guide

*Mrs. Merlin Thomas*

Mrs. Merlin Thomas  
Assistant Professor  
ECE Dept., VJCET  
Project Coordinator

*Dr. Naveen Jacob*

Dr. Naveen Jacob  
HOD  
ECE Dept., VJCET

*External Examiner*

External Examiner

**Place:** Vazhakulam

**Date:**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**





**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "WAR FIELD SPY ROBOT" is a bonafide record of the work done by APARNA BIJU (Reg No: VJC19EC018), JOYAL JOSE (Reg No: VJC19EC051), ROSEMOL JOHN (Reg No: VJC19EC068) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

  
**Mrs. Merlin Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**ECE Dept., VJCET**

  
**Mrs. Niji Mathews**  
**Project Guide**  
**Assistant Professor**  
**ECE Dept., VJCET**

  
**Dr. Naveen Jacob**  
**HOD**  
**ECE Dept: VJCET**

  
**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDECERTIFICATE**

This is to certify that the project report entitled "GLASS CLEANING ROBOT" is a bonafide record of the work done by **ASHLY JOSHY (Reg no: VJC19EC022)**, **ASHNA A A (Reg No: VJC19EC023)** and **BIYANKA MANI (Reg No: VJC19EC030)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

**Ms. Vinija Kurian**  
**Project Guide**  
**Assistant Professor**  
**ECE Dept., VJCET**

**Dr. Naveen Jacob**  
**HOD**  
**ECE Dept., VJCET**

**Ms. Merlin Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**ECE Dept., VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the project preliminary report entitled “ SMART WEARABLE FOR VISU-  
ALLY IMPAIRED ” is a bonafide record of the work done by BENSON JOHN (Reg No: VJC19EC026),  
IBRAN KHAN A.M. (Reg No: VJC19EC043), LEON JOHNSON (Reg No: VJC19EC0053), MUHAMMED  
SAFTHAR M.A. (Reg No. VJC19EC059) in partial fulfillment of the requirements for the award of  
the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ  
Abdul Kalam Technological University.

**Mrs. Anurani Philip**

**Project Guide**

**Assistant Professor**

**ECE Dept., VJCET**

**Dr. Naveen Jacob**

**Head Of the Department**

**ECE Dept., VJCET**

**Mrs. Merlin Thomas**

**Project Coordinator**

**Assistant Professor**

**ECE Dept., VJCET**

**External Examiner**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project phase II report entitled "RAILWAY TRACK CRACK DETECTION ROBOT" is a bonafide record of the work done by **BINUSREE P A (Reg No: VJC19EC029)**, **FINU JAMES (Reg No: VJC19EC040)**, **MEENU K R (Reg No: VJC19EC056)**, **REVATHY RAJEEVAN (Reg No: VJC19EC065)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

**Ms. Anitta Thomas**  
**Project Guide**  
**Assistant Professor**  
**ECE Dept., VJCET**

**Ms. Merlin Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**ECE Dept., VJCET**

**Dr. Naveen Jacob**  
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**ECE Dept., VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “**RF-CONTROLLED ROBOT WITH NIGHT VISION AND THERMAL IMAGING CAMERA FOR SURVEILLANCE**” is a bonafide record of the work done by **BRIJIT SAJU(VJC19EC031),JOYALJHONSON (VJC19EC049), PRANAV PRADEEP (VJC19EC064)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

  
**Mrs. Anu C Kunjachan**


**Project Guide**  
**Assistant Professor**  
**ECE Dept., VJCET**

  
**Dr. Naveen Jacob**

**HOD**  
**ECE Dept,VJCET**



**Mrs. Merlin Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**ECE Dept., VJCET**

  
**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled " UNDERWATER ROV " is a bonafide record of the work done by **DON MATHEW VARGHESE (Reg.No.VJC19EC036)**, **HRISHI VENKITESH M (Reg.No.VJC19EC042)** and **JOSE THANKACHAN (Reg.No.VJC19EC048)** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** of **APJ Abdul Kalam Technological University, Thiruvananthapuram.**

Date:

Place: Vazhakulam

**MR. MANU JOSE,  
PROJECT GUIDE,  
ASSISTANT PROFESSOR,  
DEPT. OF ECE, VJCET**

**Dr. NAVEEN JACOB  
HOD,  
DEPT. OF ECE,  
VJCET**

**Ms. MANJU THOMAS T,  
PROJECT COORDINATOR  
ASSISTANT PROFESSOR,  
DEPT. OF ECE, VJCET**

**EXTERNAL EXAMINER**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "HOME AUTOMATION, SECURITY AND FERTILIZER SYSTEM USING ESP" is a bonafide record of the work done by **NANDHANA P RAJESH (Reg. No.VJC19EC061), SHINITHA JOSEPH (Reg. No VJC19EC074), SIVAGANGA R NAIR (Reg. No VJC19EC075), SUJITHRA J (Reg. No VJC19EC078)** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communications Engineering of APJ Abdul Kalam Technological University, Trivandrum.

**Date:**

**Place: Vazhakulam**

**Ms. Ranjini Surendran  
Project Guide,  
Associate Professor,  
Dept of ECE, VJCET**

**Dr. Naveen Jacob  
Head of the Department  
Dept of ECE, VJCET**

**Ms. Manju Thomas  
Project Coordinator  
Assistant Professor  
Dept of ECE, VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**




**BONAFIDE CERTIFICATE**


This is to certify that the project report entitled "AGRICULTURAL ROBOT" is a bonafide record of the work done by ALEENA ALOCIOUS(Reg No: VJC19EC010) , ALKA PAULOSE(Reg.No:VJC19EC011),ANAMIKA ASOKAN(Reg No: VJC19EC012)in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communications Engineering of APJ Abdul Kalam Technological University, Trivandrum.

Date :

Place : Vazhakulam

  
**DR. CYRIAC MODACKAL**  
**PROJECT GUIDE,**  
**ASSOCIATE PROFESSOR,**  
**DEPT. OF ECE ,VJCET**

  
**DR. NAVEEN JACOB**  
**HOD,**  
**DEPT. OF ECE,VJCET**

  
**MRS. MANJU THOMAS**  
**PROJECT COORDINATOR,**  
**ASSISTANT PROFESSOR,**  
**DEPT. OF ECE ,VJCET**

  
**EXTERNAL SUPERVISOR**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "IOT BASED BUS TRACKING AND NOTIFICATION SYSTEM" is a bonafide record of the work done by PHILIP BIJU (Reg.No.VJC19EC062), P J HARIKRISHNAN (Reg.No.VJC19EC063), SEBIN JAISON (Reg.No.VJC19EC072) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Trivandrum.

Date :

Place : Vazhakulam

**Mr. Anish M Jose**  
**Project Guide**  
**Assistant Professor,**  
**Dept. of ECE, VJCET**

**Dr. Naveen Jacob**  
**Head of The Department**  
**Dept. of ECE, VJCET**

**Ms. Manju Thomas**  
**Project Coordinator**  
**Assistant Professor**  
**Dept. of ECE, VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “ **IMPLEMENTATION OF LEACH ALGORITHM IN WIRELESS SENSOR NETWORK**” is a bonafide record of the work done by **APARNA GOPI (Reg No: VJC19EC019)** , **BINTU ABRAHAM (Reg No: VJC19EC028)**, **SAMARDHI SUNIL INAMDAR (Reg No: VJC19EC070)** in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

*Ms. Niji Mathews*  
*23/5/23*  
**Ms. Niji Mathews**  
**Project Guide,**  
**Assistant Professor,**  
**Dept. Of ECE,VJCET**

*Ms. Manju Thomas*  
**Ms. Manju Thomas**  
**Project Coordinator,**  
**Assistant Professor,**  
**Dept. Of ECE,VJCET**

*Dr. Naveen Jacob*  
**Dr. Naveen Jacob**  
**HOD,**  
**Dept. Of ECE,VJCET**

*External Examiner*  
**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**VAZHAKULAM**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**





**BONAFIDE CERTIFICATE**


This is to certify that the project report entitled "AUTOMATIC WALL PAINTING ROBOT" is a bonafide record of the work done by GIYA BABY (Reg. No: VJC19EC041), MINNU THAMPI (Reg. No: VJC19EC058), SRUTHI SATHYAN (Reg. No: VJC19EC076), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date :

Place : Vazhakulam

  
**Ms. Ranjini Surendran**  
**Project Guide,**  
**Associate Professor,**  
**Department of ECE,**  
**VJCET**

  
**Ms. Manju Thomas T**  
**Project Coordinator,**  
**Assistant Professor,**  
**Department of ECE,**  
**VJCET**

  
**Dr. Naveen Jacob**  
**Head of the Department,**  
**Department of ECE,**  
**VJCET**

  
**External Examiner**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled " **AUTOMATED ATTENDANCE SYSTEM**" is a bonafide record of the work done by **ABIN BABY (Reg.No.VJC19EC003), AJAI GOPAN (Reg.No.VJC19EC005) and ASWIN S KUMAR (Reg.No.VJC19EC024)** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communications Engineering** of **APJ Abdul Kalam Technological University, Trivandrum.**

Date:

Place: Vazhakulam

**Ms. Manju Thomas**  
**Project Guide & Coordinator**  
**Assistant Professor**  
**Dept of ECE, VJCET**

**Dr. Naveen Jacob**  
**HOD**  
**Dept of ECE, VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the Project report entitled "IOT BASED VEHICLE SPEED CONTROL IN RESTRICTED AREAS" is a bonafide record of the work done by **ABHISHEK GEORGE (Reg No: VJC19EC002)**, **ANANTHAKRISHNAN S NAIR (Reg No: VJC19EC013)**, **JOYAL JOSE (Reg No: VJC19EC050)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

**Ms. Smitha Cyriac  
Project Guide  
Assistant Professor  
Dept of ECE, VJCET**

**Dr. Naveen Jacob  
HOD  
Dept. of ECE, VJCET**

**Ms. Manju Thomas  
Project coordinator  
Assistant Professor  
Dept of ECE, VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**

**Department of Electronics and Communication Engineering**



**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled “AUTONOMOUS DELIVERY ROBOT” is a bonafide record of the work done by JOFIA JOHN (VJC19EC047), MEGHA BIJU (VJC19EC057), NAISIL BIJU (VJC19EC060) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

**Ms. Anitta Thomas**  
**Project Guide,**  
**Assistant Professor,**  
**Dept.of.ECE.,VJCET**

**Ms. Manju Thomas**  
**Project Coordinator,**  
**Assistant Professor,**  
**Dept.of.ECE.,VJCET**

**Dr. Naveen Jacob**  
**Head Of The Department,**  
**Dept.of.ECE.,VJCET**

**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**




**BONAFIDE CERTIFICATE**


This is to certify that the project report entitled “**IMAGE CLASSIFICATION USING NEURAL NETWORK**” is a bonafide record of the work done by **DHILNA BIJU (Reg No: VJC19EC034), MARIA SABU (Reg No: VJC19EC055),SHALU SUSAN BABU (Reg No: VJC19EC073)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

**Date:**

**Place: Vazhakulam**

  
**Ms. Vinija Kurian**  
**Project Guide,**  
**Assistant Profeseor,**  
**Department of ECE,**  
**VJCET**

  
**Ms. Manju Thomas**  
**Project Coordinator,**  
**Assistant Professor,**  
**Department of ECE,**  
**VJCET**

  
**Dr. Naveen Jacob**  
**Head of the Department,**  
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**VJCET**

  
**External Examiner**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**





**BONAFIDE CERTIFICATE**

This is to certify that the project report entitled "THIRD EYE" is a bonafide record of the work done by AADITHYA PREMNATH (Reg No: VJC19EC001), ALBIN ROY (Reg. No: VJC19EC008), JOSIN EMMANUEL (Reg No: LVJC19EC082) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date :

Place : Vazhakulam

  
Ms. Manju Thomas  
Project Coordinator  
Assistant Professor,  
Dept. of ECE, VJCET

  
Dr. Naveen Jacob  
HOD and Project Guide  
Dept. of ECE,  
VJCET

  
External Examiner

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**




**BONAFIDE CERTIFICATE**


This is to certify that the project report entitled "**WILD ANIMAL ALERTING AND FOREST FIRE DETECTING SYSTEM**" is a bonafide record of the work done by **CELIYA SAJU (Reg.No.VJC19EC032), ELEZABETH MARIYA SAJI (Reg.No.VJC19EC038), EMY MARIA TOM (Reg.No.VJC19EC039), RIYA BENNY (Reg.No.VJC19EC066)** in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering of APJ Abdul Kalam Technological University, Thiruvananthapuram.

Date:

Place: Vazhakulam

  
**Ms. Rose Maria Jose**  
**Project Guide,**  
**Assistant Professor,**  
**Dept. of ECE, VJCET**

**Ms. Manju Thomas**  
**Project Coordinator,**  
**Assistant Professor,**  
**Dept. of ECE, VJCET**

  
**Dr. Naveen Jacob**  
**HOD,**  
**Dept. of ECE, VJCET**

  
**External Examiner**

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**VAZHAKULAM**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**BONAFIDE CERTIFICATE**


This is to certify that the Design Project entitled “IoT BASED NEONATAL INCUBATOR” is a bonafide record of the work by **ABIN BENNY (VJC19EE003)**, **JANET JOHNSON (VJC19EE017)** and **SHANA P B (VJC19EE027)** in partial fulfillment of the requirements for the award of Degree of **Bachelor of Technology** in Electrical and Electronics Engineering of APJ Abdul Kalam Technological University during academic year 2022-2023.

  
Ms. Mereya Baby

Project Coordinator

  
Ms. Smitha Jacob

Project Guide

  
Dr. Sony Kurian

Head of the Department

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**VAZHAKULAM**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

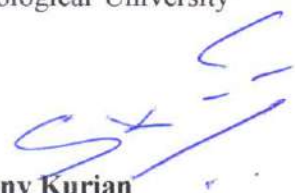


**BONAFIDE CERTIFICATE**

This is to certify that the Project entitled "SUN TRACKING SOLAR PANEL" is a bonafide record of the work by **ALAN K BINOY (VJC19EE005), MEERA R (VJC19EE021), SACHIN SAJI (VJC19EE024) and SAYANA FATHIMA (VJC19EE025)** in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Electrical and Electronics Engineering** of APJ Abdul Kalam Technological University during academic year 2022-2023.

  
**Ms. Mereya Baby**

**Project Coordinator & Guide**

  
**Dr. Sony Kurian**

**Head of the Department**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the report titled "CEILING MOUNTED AUTONOMOUS FIRE EXTINGUISHER" is a bonafide record of project presentation done by **DIMAL MICHAEL(VJC19EE011)**, **NAKUL B(VJC19EE022)** ,**VISHAL H(VJC19EE029)** Electrical and Electronics Engineering in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering of APJ Abdul Kalam Technological University.

  
Ms. Meraya Baby  
Seminar Coordinator

  
Ms. Jis Jose  
Faculty Advisor

  
Dr. Sony Kurian  
Head of the Department



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VAZHAKULAM**





**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the report titled "AUDIO AND TEXT TRANSMISSION USING LIFI TECHNOLOGY" is a bonafide record of project presentation done by **ABHIN MANOJ (VJC19EE002), ALBIN JOSE (VJC19EE006), JISHNU ANIL (VJC19EE018)** Electrical and Electronics Engineering in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering of APJ Abdul Kalam Technological University.

  
**Ms. Mereya Baby**  
Project Coordinator

  
**Ms. Cini.K**  
Faculty Advisor

  
**Dr. Sony Kurian**  
Head of the Department



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**VAZHAKULAM**


**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

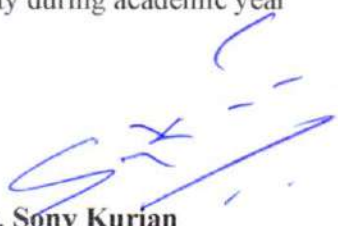


**BONAFIDE CERTIFICATE**

This is to certify that the Design Project entitled “**SOLAR POWERED SMART IRRIGATION SYSTEM USING IoT**” is a bonafide record of the work by **AMUTHA RAAJ (VJC19EE007)**, **NEVIN PAUL SAJU (VJC19EE023)**, **SANDU SAJI (LVJC19EE030)** and **SEETHAL MANOJ MOHAN (VJC19EE026)** in partial fulfillment of the requirements for the award of Degree of **Bachelor of Technology** in Electrical and Electronics Engineering of APJ Abdul Kalam Technological University during academic year 2022-2023.

  
**Ms. Mereya Baby**  
Project Coordinator

  
**Mr. Dileepkumar P**  
Project Guide

  
**Dr. Sony Kurian**  
Head of the Department

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**

**VAZHAKULAM**


**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



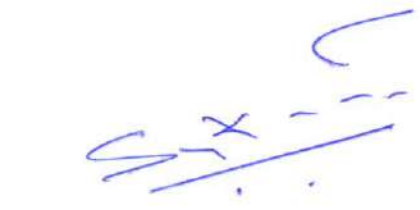
**BONAFIDE CERTIFICATE**

This is to certify that the Main Project entitled “**AUTOMATIC HEADLIGHT SYSTEM WITH SMART ROAD-ACCIDENT DETECTION AND COMMUNICATION**” is a bonafide record of the work by **ABHIJITH M A (VJC19EE001), ANJU V (VJC19EE009) ASWANI CHANDRAN (VJC19EE010) and SYAMKRISHNA J (VJC19EE028)** in partial fulfillment of the requirements for the award of Degree of **Bachelor of Technology in Electrical and Electronics Engineering** of APJ Abdul Kalam Technological University during academic year 2022-2023.

**Ms. Mereya Baby**  
**Project Coordinator**



**Dr. Sony Kurian**  
**Project Guide**



**Dr. Sony Kurian**  
**Head of the Department**

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**BONAFIDE CERTIFICATE**

This is to certify that the Project report entitled “**WIFI CONTROLLED ROBOTIC ARM**” is a bonafide record of the phase 1 work by **EMMANUEL PIOUS (VJC19EE012), FELIX STEPHEN (VJC19EE013), GAYATHRI L KUMAR (VJC19EE014), MARIYA BENNY (VJC19EE020)** in partial fulfilment of the requirements for the award of Degree of **Bachelor of Technology in Electrical and Electronics Engineering** of APJ Abdul Kalam Technological University during academic year 2022-2023.

**Ms. Mereya Baby**  
Assistant Professor  
Project Co-ordinator

**Mr. Joma M George**  
Assistant Professor  
Project Guide

**Dr. Sony Kurian**  
Head of the Department

# VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology




## BONAFIDE CERTIFICATE


This is to certify that the Main Project Report entitled "DISEASE PREDICTIOIN USING MACHINE LEARNING" is a bonafide record of the work by ALEN SHAJAN (VJC19IT007), ASWIN KRISHNA R (VJC19IT015), BINTO TOM JOSEPH (VJC19IT022) and NANDHU PRAKASH (VJC19IT043) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

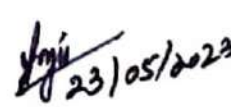
Date: 22/5/23

Place: Vazhakulam

  
Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



  
Mrs. Ann Preetha Jose  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

  
Dr. Anju Susan George  
Associate Professor and HoD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM P.O., MUVATTUPUZHA

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Department of Information Technology




## BONAFIDE CERTIFICATE

This is to certify that the Main Project Report entitled "BLOCKCHAIN-BASED CHARITY DONATION PLATFORM" is a bonafide record of the work by ALFIN DAVIS (VJC19IT008), ALLAN JOHN SCOTT (VJC19IT009), ROSHAN ELDHO ROY (VJC19IT048) and SREEVISAKH MARATHI SURAJ (VJC19IT053) in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Information Technology** of APJ Abdul Kalam Technological University.

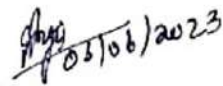
Date: 6/6/23

Place: Vazhakulam

  
Mr. Nidhi R.  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

  
Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



  
Dr. Anju Susan George  
Associate Professor and HoD  
Dept. of IT, VJCET

To

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**Department of Information Technology**



**BONAFIDE CERTIFICATE**

This is to certify that the Main Project Report entitled "BLOCKCHAIN-BASED CHARITY DONATION PLATFORM" is a bonafide record of the work by ALFIN DAVIS (VJC19IT008), ALLAN JOHN SCOTT (VJC19IT009), ROSHAN ELDHO ROY (VJC19IT048) and SREEVISAKH MARATHI SURAJ (VJC19IT053) in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Information Technology** of APJ Abdul Kalam Technological University.

Date: 6/6/23

Place: Vazhakulam

  
Mr. Nidhi R.

Assistant Professor

Project Guide

Dept. of IT, VJCET

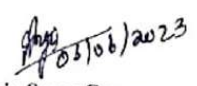
  
Mrs. Juliet A Murali

Assistant Professor

Project Coordinator

Dept. of IT, VJCET



  
Dr. Anju Susan George

Associate Professor and HoD

Dept. of IT, VJCET

**HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM, MUVAATTUPUZHA**



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled "AI VIRTUAL ASSISTANT WITH GESTURE IDENTIFICATION" is a bonafide record of the work by BENNET JOY (VJC191T018), KEVIN VINOD (VJC191T039) and JOHAN MATHEW (VJC191T037) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of API Abdul Kalam Technological University.

Date: 12/06/2023

Place: Vazhakulam

Mrs. Juliet A. Murali  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET



Mrs. Anitta K. Mathew  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

Dr. Anju Susan George  
Assoc. Professor and HOD  
Dept. of IT, VJCET

DEPT. OF INFORMATION TECHNOLOGY  
VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY  
VAZHAKULAM P.O., MOVATTURU rd.

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

This is to certify that the Main Project Report entitled "PHISHING WEBSITE DETECTION USING ENSEMBLE METHOD" is a bonafide record of the work by ALLEN BENNY (VJC19IT010), ARUN TOMY (VJC19IT014), IVINE JAIMON (VJC19IT030) and JIBIN BENNY (VJC19IT034) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 22-05-2023

Place: Vazhakulam

*Ann Preetha Jose*  
22/5/23

Mrs. Ann Preetha Jose  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

*Juliet A Murali*

Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



*Anju Susan George*  
22/05/23

Dr. Anju Susan George  
Associate Professor and HOD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM P.O., MUVATTUPUZHA

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled "HOUSING RENTAL SYSTEM BASED ON BLOCKCHAIN TECHNOLOGY" is a bonafide record of the work by ALEN SALU (VJC19IT006), DILIS DENNY (VJC19IT028), MILAN K BIJU (VJC19IT041), THOMAS PAULSON (VJC19IT056) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 23/05/2023

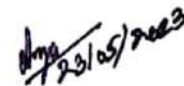
Place: Vazhakulam

  
Mrs. Juliet A Murali  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET



  
23/05/2023

Mrs. Josna Jose  
Project Guide  
Assistant Professor  
Dept. of IT, VJCET

  
23/05/2023

Dr. Anju Susan George  
Assoc. Professor and HOD  
Dept. of IT, VJCET

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VAZHAKULAM P.O., MUVATTUPUZHA

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**Department of Information Technology**




**BONAFIDE CERTIFICATE**


This is to certify that the Project Report entitled "STUDENT ATTENDANCE SYSTEM USING FACE RECOGNITION" is a bonafide record of the work by **BASIL BIJU (VJC19IT017)**, **BERTIN PETER (VJC19IT021)**, **CYRIAC PAUL BISSY (VJC19IT024)** and **RICHARD PETER (VJC19IT046)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Information Technology** of APJ Abdul Kalam Technological University.

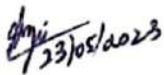
Date: 23/05/23

Place: Vazhakulam

  
**Mrs. Juliet A Murali**  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET



  
**Mrs. Shilpa Sugathan**  
Project Guide  
Assistant Professor  
Dept. of IT, VJCET

  
**Dr. Anju Susan George**  
Assoc. Professor and HOD  
Dept. of IT, VJCET

**HEAD, INFORMATION TECHNOLOGY DEPT.,  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY,  
VAZHAKULAM P.O., MUVATTUPUZHA**

# VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology



## BONAFIDE CERTIFICATE


This is to certify that the Main Project Report entitled "RESPIRATORY SOUND ANALYSIS FOR DETECTION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE" is a bonafide record of the work by ALEENA JOSEPH (VJC19IT004), BENNO BABY (VJC19IT019) and SREELAKSHMI K S (VJC19IT052) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 23/5/2023

Place: Vazhakulam

  
Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



  
Dr. Anju Susan George  
Project Guide  
Associate Professor and HOD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOL  
VAZHAKULAM P.O., MUVATTUPU

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled "MACHINE LEARNING ENHANCED WEB APP FOR SMART INVESTMENT" is a bonafide record of the work by AKASH S KUMAR (VJC19IT002), DHANEESH KUMAR KD (VJC19IT027), JOBIN P JOSEPH (VJC19IT035) and KEVIN KURIAN (VJC19IT038) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 23/05/21

Place: Vazhakulam

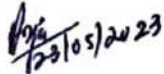
  
Mrs. Juliet A Murali

Project Guide & Coordinator

Assistant Professor

Dept. of IT, VJCET



  
Dr. Anju Susan George

Assoc. Professor and HOD

Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT.,  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM P.O., MUVATTUPUZHA

# VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology



## BONAFIDE CERTIFICATE

This is to certify that the Main Project Report entitled "DEEP LEARNING BASED SMART PARKING" is a bonafide record of the work by ANNA SUSAN JOSE (VJC19IT013), LEONA MARIA JOSE (VJC19IT040), SMRUTHI BABU (VJC19IT051) and SWATHY KRISHNA P KAIMAL (VJC19IT055) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 23/5.....

Place: Vazhakulam

Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



Mrs. Salini Dev P V  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

Dr. Anju Susan George  
Associate Professor and HoD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECHN.  
VAZHAKULAM P.O., MUVATTUPUZHA

# VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology




## BONAFIDE CERTIFICATE


This is to certify that the Main Project Report entitled "DRIVER DROWSINESS PREDICTION BASED ON MULTIPLE ASPECTS USING IMAGE PROCESSING TECHNIQUES" is a bonafide record of the work by ALEENA WILSON (VJC19IT005), ANJALY SAJI (VJC19IT012), JAFRETTA JAMES (VJC19IT031) and SUSMI SHAJI (VJC19IT054) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

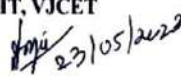
Date: 23-05-2023

Place: Vazhakulam

  
Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



  
Mrs. Josna Jose  
Assistant Professor  
Project Guide  
Dept. of IT, VJCET

  
Dr. Anju Susan George  
Associate Professor and HOD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM P.O., MUVATTUPUZHA



VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY





BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled "CYBERBULLYING DETECTION USING DEEP LEARNING" is a bonafide record of the work by **DANY TOMY (VJC19IT025)**, **DEVON SEBASTIAN(VJC19IT026)**, **JERIL JOSE(VJC19IT032)**, **NAVEEN SIBI(VJC19IT044)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.


Date: 23/05/2023

Place: Vazhakulam

  
Mr. Nidhin R  
Project Guide  
Assistant Professor  
Dept. of IT, VJCET

  
Mrs. Juliet A Murali  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET



  
23/05/2023  
Dr. Anju Susan George  
Assoc. Professor and HOD  
Dept. of IT, VJCET

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY  
INFORMATION TECHNOLOGY DEPT  
MUVATTUPUZHA  
VAZHAKULAM P.O., MUVATTUPUZHA

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**Department of Information Technology**



**BONAFIDE CERTIFICATE**

This is to certify that the Main Project Report entitled **"PLANT DISEASE DETECTION AND CLASSIFICATION BY DEEP LEARNING"** is a bonafide record of the work by **ALAN SIBY (VJC19IT003), ATHIRA BABU (VJC19IT016), ROZELLA MARIA FREESA BOBAN (VJC19IT049)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Information Technology** of APJ Abdul Kalam Technological University

Place: Vazhakulam

Date: 22/5/23

Mrs. Juliet A Murali  
Project Guide and Coordinator  
Dept. of IT, VJCET



Dr. Anju Susan George  
Associate Professor and HOD  
Dept. of IT, VJCET

**HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECH. VJCET  
VAZHAKULAM P.O., MUVATTUPUZHA**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY,VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled "BLOCKCHAIN BASED COUNTERFEIT MEDICINE AUTHENTICATION SYSTEM " is a bonafide Record of the work by BEN RAJ (VJC19IT020), JOE SAJU GEORGE (VJC19IT036), NEVIN SHAJU (VJC19IT045) and SIVAPRASAD P.R(VJC19IT050) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 01/06/23  
Place: Vazhakulam

Mrs. Jesline Joseph  
Project Guide  
Assistant Professor  
Dept.of IT,VJECT

Mrs.Juliet A Murali  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCTET



Dr. Anju Susan George  
Assoc. Professor and HOD  
Dept. of IT, VJCTET

HEAD, INFORMATION TECHNOLOGY DEPT.  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY  
VAZHAKULAM P.O., MUVATTUPUZHA

<b>Cc</b>	
<b>Bcc</b>	
<b>Subject</b>	

[https://drive.google.com/drive/folders/1xR3nsVMe3XAF3sX0zfzzjNjqzh0yCPGx?usp=drive\\_link](https://drive.google.com/drive/folders/1xR3nsVMe3XAF3sX0zfzzjNjqzh0yCPGx?usp=drive_link)

**DEPARTMENT OF MANAGEMENT STUDIES  
VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**CERTIFICATE**

I certify that the report titled "A STUDY ON THE QUALITY OF WORK LIFE OF EMPLOYEES IN IT INDUSTRY" presented by Ms. Aghila K B, VJC21MBA02, to APJ Abdul Kalam Technological University, as part of the requirements for the degree of Master of Business Administration, is an authentic and genuine representation of the project work conducted by Ms. Aghila K B under my guidance and supervision. This report has not been submitted in any form to any other university or institute for the purpose of obtaining any degree, diploma, or similar qualification

**Dr. Anish John A**

Assistant Professor



**Mr. Somy P Mathew**

Vice Principal & HOD in charge

*Verified  
Anasthony  
11/7/23*

VISWAJYOTHI SCHOOL OF MANAGEMENT STUDIES  
VAZHAKULAM

DEPARTMENT OF MANAGEMENT STUDIES




CERTIFICATE

This is to certify that the report titled **A Study On Welfare Resources Of Women Employees In MINS Hospital** being submitted by Mr Vishnu Shiju, VJC21MBA40 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr Vishnu Shiju Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Geremie Pottas  
Faculty Guide



  
Mr. Somy P Mathew  
Vice Principal & HOD in charge

Verified  
Anwar Anthony  
12/17/23 -

Department of Management Studies

Viswajyothi College Of Engineering And Technology, Vazhakulam



CERTIFICATE

This is to certify that the report titled “**A PROJECT REPORT ON WORKING CAPITAL MANAGEMENT AT TATA MOTORS**” being submitted by Ms. Thasneem S.B VJC20MBA39 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms. Thasneem S.B ,Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.hew

Ms. Riya Susan Skaria

Faculty Guide



Mr.Somy.P. Mathew

Vice Principal and HOD

Verified  
Anoop Mathew  
12/7/23

**DEPARTMENT OF MANAGEMENT STUDES**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON CHANGES IN ONLINE BANKING IN INDIA BEFORE AND AFTER COVID19 WITH SPECIAL REFERENCE TO NATIONALISED BANKS". Being submitted by Ms. RIYA SAJU, VJC21MBA38, to the APJ Abdul Kalam Technological University in partial fulfillment of the requirement for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by Ms. RIYA SAJU under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

Dr. Jose Mamman  
Assistant Professor



Mr. Somy P. Mathew

VICE PRINCIPAL & HOD in Charge

Verified -  
Proo Anthony  
12/7/23



**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled **“A STUDY ON YOUTH CUSTOMER SATISFACTION OF DECATHLON PRODUCTS WITH SPECIAL REFERENCE TO DECATHLON WHITEFIELD”** being submitted by **Ms. NIKITHA VINCENT, VJC21MBA37** in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Ms. NIKITHA VINCENT** Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

**Ms. Merrin Geordie Pottas**

**Faculty Guide**



**Mr. Somy P Mathew**

**Vice Principal & HOD in charge**

*Verified*  
*Koottathay*  
*12/7/23*

**VISWAJYOTHI COLLEGE OF ENGINEERING &  
TECHNOLOGY VAZHAKULAM**

**Department Of Management Studies**



**CERTIFICATE**

This is to certify that the report titled **“A Study On Role Of Human Resource Development In Improving Organizational performance With Special Reference To Pddpcs, Kalady”** being submitted by **NANDEEP S VJC21MBA36** in partial fulfillment of the requirements for the award of the degree of **MASTER OF BUSINESS ADMINISTRATION** is a bonafide record of the project work done by **Mr. NANDEEP S** Department Of Management Studies, Viswajyothi College Of Engineering & Technology Vazhakulam.

**Dr. JOSE MAMMAN**

**Faculty Guide**



**Mr. SOMY P MATHEW**

**Vice Prinicipal & Hod In Charge**

*Valued -  
Auro Antony  
22/11/2023*

**VISWAJYOTHI COLLEGE OF ENGINEERING &  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the report titled "IMPACT OF ABSENTEEISM ON JOB SATISFACTION: A STUDY WITH SPECIAL REFERENCE TO MBMM HOSPITAL" being submitted by Melba Sajan, VJC21MBA35, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Melba Sajan of Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

Dr. Anjali John

Assistant Professor



Mr. Somy P Mathew

HOD In charge

Verified  
12/7/23


**DEPARTMENT OF MANAGEMENT STUDIES**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**




**CERTIFICATE**

This is to certify that the report titled **“A STUDY ON EFFECTIVENESS OF TRAINING AND DEVELOPMENT OF EMPLOYEES WITH REFERENCE TO METROLLA STEELS LIMITED”** being submitted by Ms Mehna Ibrahim, VJC21MBA34 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms Mehna Ibrahim Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Dr. Anish John A

Faculty Guide



  
Mr. Somy P Mathew

Vice Principal & HOD

*Verified.*  
*Anthony*  
*12/17/23*

**VISWAJYOTHI COLLEGE OF ENGINEERING &  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the report titled “A Study on Company’s Promotion Strategies and Its Effect on Dealer Satisfaction Towards Toms Pipes Pvt Ltd” being submitted by, **Mr. Martin Mathew, VJC21MBA33** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by him/her under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

**Dr. Anish John A**

Assistant Professor

Department of Management Studies



**Mr. Somy P Mathew**

Vice principal & HOD in charge

Verified  
Ananthony  
12/7/23

**Department of Management Studies**

**Viswajyothi College of Engineering and Technology, Vazhakulam**



**CERTIFICATE**

This is to certify that the report titled **A Study on the Financial Performance and Cash Management of Bestonne Granites and Metals Private Limited, Palakkad** being submitted by **Ms. Mariya T S, VJC21MBA32** in partial fulfilment of the requirements for the Award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Ms. Mariya T S**, Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

Mr. Sebin Joseph

Faculty Guide



Mr. Somy P Mathew

Vice Principal and HOD in charge

Verified  
Anthony  
12/17/23

**Department of Management Studies**

**Viswajyothi College Of Engineering And Technology,  
Vazhakulam**



**CERTIFICATE**

This is to certify that the report titled “**A Study On The Effectiveness Of Online Learning Among College Students With Special Reference To Muvattupuzha Taluk**” being submitted by **Ms. Lydia Adams Kurian**, VJC21MBA31, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Ms. Lydia Adams Kurian** of Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

**Dr Jose Mamman**  
Faculty guide

**Somy P. Mathew**  
Vice Principal and HOD

Verified  
Anand  
12/7/23

**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled **“A STUDY ON EFFECTIVENESS OF ADVERTISING AND BRAND PREFERENCE OF EASTERN CURRY POWDER”** being submitted by **Mr Joyal Jose, VJC21MBA30** in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr Joyal Jose Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

**Mr. Sebin Joseph**

Faculty Guide



**Mr. Somy P Mathew**

HOD in charge

Verified  
12/7/23



**DEPARTMENT OF MANAGEMENT STUDES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**VAZHAKULAM**




**CERTIFICATE**

This is to certify that the report titled **“A STUDY ON IMPACT OF EMPLOYEE ENGAGEMENT ON EMPLOYEE JOB SATISFACTION IN ST. GEORGE HOSPITAL VAZHAKULAM”**. Being submitted by **Mr. JOSEPH RAJAN, VJC21MBA29**, to the APJ Abdul Kalam Technological University in partial fulfillment of the requirement for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by **Mr. Joseph Rajan** under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

  
**Ms. Merrin Geordie Pottas**  
Assistant Professor



  
**Mr. Somy P. Mathew**  
Vice principal & HOD in charge

*Verified*  
*Anthony*  
*12/7/23*


DEPARTMENT OF MANAGEMENT STUDIES

Viswajyothi College Of Engineering And  
Technology, Vazhakulam




CERTIFICATE

This is to certify that the report titled “A Study On Human Resources Management Practices And Its Effects On Employee Commitment in FMCG Industry” being submitted by Mr JOHNS LEO, VJC21MBA28 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr Johns Leo Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
**Dr. Anjali John**  
Faculty Guide



  
**Mr. Somy P Mathew**  
Vice Principal & HOD In Charge

*Verified*  
*Anoop Antony*  
*12/7/23*

**Department of Management Studies**  
**Viswajyothi College of Engineering and Tehnology, Vazhakulam**



**CERTIFICATE**

This is to certify that the report titled “A study on packaging of product towards consumer buying behaviour in Ernakulam district” being submitted by **Mr. Jewel Jacob, VJC21MBA26** in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. Jewel Jacob of Department of Management Studies, Viswajyothi College Of Engineering and Technology, Vazhakulam.



*Verified*  
*Principality*  
*12/7/23.*

**Dr. Jose Mamman**

Faculty Guide

**Mr. Somy. P. Mathew**

Vice Principal and HOD in Charge

**Department of Management Studies**

**Viswajyothi College of Engineering and Technology**



**CERTIFICATE**

This is to certify that the report titled “A STUDY ON QUALITY OF WORK LIFE WITH SPECIAL REFERENCE TO MANUFACTURING INDUSTRY” being submitted by J KISHAN RAJ, VJC21MBA27, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. J KISHAN RAJ of Department of Management Studies, Viswajyothi College of Engineering and Technology

**Ms. RIYA SUSAN SKARIA**  
Assistant Professor



**Mr. SOMY P MATHEW**  
Vice Principal and HoD

Verified.  
Anoop Antony  
12/17/23

**MBA Department, Viswajyothi College of Engineering and  
Technology**



**CERTIFICATE**

*This is to certify that the report titled "A Study On Impact Of Foreign Institutional Investment In Indian Stock Market with special reference to Bank NIFTY Index" being submitted by Harishankar Parameswaran, VJC21MBA25, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Harishankar Parameswaran** of MBA Department, Viswajyothi College of Engineering and Technology*

Dr. Jose Mamman  
Asst. Professor



Mr. Somy P Mathew  
Vice Principal and HoD


*Verified -  
Anas Anthony  
12/1/23*

**Department of Management Studies**  
**Viswajyothi College of Engineering and Technology**




**CERTIFICATE**

This is to certify that the report titled "A COMPARATIVE STUDY ON CUSTOMER SATISFACTION TOWARDS BHARTI AIRTEL AND RELIANCE JIO WITH REFERENCE TO ERNAKULAM DISTRICT" being submitted by **GEORGE AUGUSTINE, VJC21MBA24**, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Mr. GEORGE AUGUSTINE** of Department of Management Studies, Viswajyothi College of Engineering and Technology

  
**Ms. Riya Susan Skaria**  
Assistant Professor



  
**Mr. SOMY P MATHEW**  
Vice Principal and HoD in charge

*Verified  
Anoop Antony  
12/17/23*

**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM, ERNAKULAM**



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON EMPLOYEE WELFARE ACTIVITIES ON EMPLOYEE SATISFACTION IN MARY MATHA CONSTRUCTIONS PVT. LTD" being submitted by Ms. ELSA MARY GIGI, to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by him/her under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

  
Dr. ANJALI JOHN

Faculty Guide



  
Mr. SOMY P MATHEW

Vice Principal and HOD in charge

*Verified  
Anoo Anthony  
12/7/23*

**Department of Management Studies**

**Viswajyothi College of Engineering and Technology, Vazhakulam**



**CERTIFICATE**

This is to certify that the report titled **A Study on the "IMPLEMENTATION OF HR POLICIES AND ITS EFFECTIVENESS" AT "MANTLE SOLUTIONS PVT LTD** being submitted by Mr. Elias Titty Zachariah, VJC21MBA22 in partial fulfilment of the requirements for the Award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. Elias Titty Zachariah, Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

Mr. Sebin Joseph

Faculty Guide



Mr. Somy P Mathew

Vice Principal and HOD

*Verified  
Anoop Antony  
12/7/23.*



Department of Management Studies

Viswajyothi College Of Engineering & Technology, Vazhakulam



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON IMPACT OF ORGANISATION CULTURE ON EMPLOYEE RETENTION IN RELIANCE TRENDS" being submitted by Ms. Deepika Rose Bosco VJC21MBA21 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms. Deepika Rose Bosco, Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

**Ms. Riya Susan Skaria**  
Faculty Guide



**Mr. Somy. P. Mathew**  
Vice Principal and HOD in Charge

Verified  
Anos Anthony  
12/7/23

Department of Management Studies

Viswajyothi College Of Engineering And Technology, Vazhakulam



CERTIFICATE

This is to certify that the report titled **A STUDY ON THE IMPACT OF ORGANIZATIONAL SUPPORT ON EMPLOYEE SATISFACTION WITH SPECIAL REFERENCE TO GUARDIAN CONTROLS LIMITED** being submitted by Mr Boney Jaison, VJC21MBA20 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr Boney Jaison Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

Dr. Anjali John

Faculty Guide



Mr. Somy P Mathew

Vice Principal & HOD

Verified  
Anoop Anthony  
11/7/23

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the report titled “A STUDY ON BRAND SWITCHING BEHAVIOUR OF CUSTOMERS AMONG SHAMPOO BRANDS” being submitted by **BINIL BENNY, VJC21MBA19**, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **BINIL BENNY**, Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

**Dr. ANISH JOHN A**

**Assistant Professor**

**Department of Management Studies**



**Mr. SOMY P MATHEW**

**Vice Principal & HOD In charge**

*Verified  
Anoo Anthony  
11/7/23*

**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND**  
**TECHNOLOGY, VAZHAKULAM, ERNAKULAM**



**CERTIFICATE**

This is to certify that the report titled “ A STUDY ON THE POTENTIAL IMPACT OF BLOCKCHAIN TECHNOLOGY ON THE STOCK MARKET ” being submitted by **MR. ASHOK SHANKAR** (Register No: VJC21MBA18), to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by him/her under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

**MR. SEBIN JOSEPH**

(Assistant Professor)

Internal Supervisor



**MR. SOMY P MATHEW**

(Vice Principal & HOD In Charge)

Project Coordinator

Verified  
Anoop Anthony  
123

**VISWAJYOTHI SCHOOL OF MANAGEMENT STUDIES  
VAZHAKULAM**

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the report titled *A Study Effectiveness of Training and Development on the Performance of Employees in IT Industry* being submitted by Mr Arun Roy, *VIC2214MBA17* in partial fulfillment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr Arun Roy Department of Management Studies, ViswaJyothi College of Engineering and Technology Vazhakulam.

*(Signature)*

Mr. Riva Susan Maria

Faculty Guide



*(Signature)*

Mr. Somy P Mathew

Vice Principal and HOD in Charge

*Verified -  
Anoo Anthony  
11/7/23*

**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON THE EFFECT OF WORK ENVIRONMENT ON JOB SATISFACTION OF EMPLOYEES IN BASIL NATURAL TSR PVT. LTD. Being submitted by Mr. Aravind N M, VJC21MBA16, to the APJ Abdul Kalam Technological University in partial fulfillment of the requirement for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by Mr. Aravind N M under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

**Dr. Jose Mamman**  
Assistant Professor



**Mr. Somy P. Mathew**  
Vice Principal & HOD in charge

Verified  
11/7/23

**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND**  
**TECHNOLOGY, VAZHAKULAM, ERNAKULAM**



**CERTIFICATE**

This is to certify that the report titled “ **A STUDY ON HYBRID WORKING ENVIRONMENT AND STRESS LEVEL MANAGEMENT IN SOFTWARE DEVELOPERS AT INFOPARK,KOCHI** ” being submitted by **MR. ANJO MATHEW** (Register No: VJC21MBA15), to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by him/her under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

**MR. SEBIN JOSEPH**  
(Assistant Professor)  
Internal Supervisor



**MR. SOMY P MATHEW**  
(Vice Principal & HOD In Charge)  
Project Coordinator

*Verified  
Anso Anthony  
11/1/23*

**VISWAJYOTHI COLLEGE OF ENGINEERING &  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF MANAGEMENT STUDIES**




**CERTIFICATE**

This is to certify that the report titled "A STUDY ON WORK-LIFE BALANCE AND ITS IMPACT ON EMPLOYEE MORALE AMONG RETAIL EMPLOYEES WITH SPECIAL REFERENCE TO ERNAKULAM DISTRICT" being submitted by Ms. ANITA THOMAS, VJC21MBA14 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work carry out by Ms. Anitta Thomas Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Muneer Gemde Pottas  
Faculty Guide



  
Mr. Somy P Mathew

Vice Principal & HOD in charge

Verified -  
Prof. Anthony  
11/9/23



**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled “A STUDY ON THE INFLUENCE OF ORGANIZATIONAL PRACTICES ON EMPLOYEE SATISFACTION AT INDUS MOTORS” being submitted by Ms. ANIKA LAIJU, VJC21MBA13 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms. ANIKA LAIJU Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

**Dr. ANJALI JOHN**

**Faculty Guide**



**Mr. Somy P Mathew**

**Vice Principal & HOD in charge**

*Verified.*  
*Anika Laiju*  
*11/7/23.*

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON PROMOTION STRATEGIES OF MERCELY'S ICE-CREAM" being submitted by AMAL AJI, VJC21MBA12, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. AMAL AJI of Department of Management Studies, Viswajyothi College of Engineering and Technology

**DR. ANISH JOHN.A**

**Assistant Professor**

**Department of Management Studies**



**Mr. SOMY P MATHEW**

**Vice principal & HOD in Charge**

*Valued*  
*Assoc Anthony*  
*11/7/23*

**DEPARTMENT OF MANAGEMENT STUDIES**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,  
VAZHAKULAM**




**CERTIFICATE**

This is to certify that the report titled "A STUDY ON INFLUENCE OF BRANDING ON CONSUMER BUYING BEHAVIOUR OF DECATHLON SPORT PRODUCTS IN KALAMASSERY" being submitted by Mr. ALWIN JOSE, VJC21MBA11 in partial fulfillment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work carry out by Mr. Alwin Jose Department of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Ms. Mervin Geordie Pottas  
Faculty Guide



  
Mr. Somy P Mathew  
Vice Principal & HOD in charge

*Verified*  
*Proo Anthony*  
*11/7/23*

Department of Management Studies

Viswajyothi College Of Engineering And Technology, Vazhakulam




### CERTIFICATE

This is to certify that the report titled "A STUDY ON EFFECTIVENESS OF PERFORMANCE APPRAISAL SYSTEM WITH SPECIAL REFERENCE TO SPECTRUM SOFTTECH SOLUTIONS PVT. LTD. KOCHI" being submitted by Ms Alfiya Nazar, VJC21MBA10 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms Alfiya Nazar Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.


  
Ms. Merrin Georgie Pottas

Faculty Guide



  
Mr. Somy. P. Mathew

Vice Principal & HOD

Verified  
4/7/23  


VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
VAZHAKULAM  
DEPARTMENT OF MANAGEMENT STUDIES



CERTIFICATE

This is to certify that the report titled "A STUDY ON CUSTOMER AWARENESS TOWARDS MUTUAL FUNDS AND ITS IMPACT ON INVESTMENTS IN MUTUAL FUNDS" being submitted by Alen David, VJC21MBA09, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Alen David of Department of Management Studies, Viswajyothi College of Engineering and Technology, Vazhakulam.

Ms. Riya Susan Skaria  
Faculty Guide  
Department of Management Studies



Mr. Somy P Mathew  
Vice Principal & HOD In Charge

Verified.  
Anoop Antony  
11/7/23.

**DEPARTMENT OF MANAGEMENT STUDIES  
VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**CERTIFICATE**

I certify that the report titled "A Study on Employees Grievance Handling System at Rajagiri Hospital, Aluva," presented by Ms. Aleena Benny, VJC21MBA08, to APJ Abdul Kalam Technological University, as part of the requirements for the degree of Master of Business Administration, is an authentic and genuine representation of the project work conducted by Ms. Aleena Benny under my guidance and supervision. This report has not been submitted in any form to any other university or institute for the purpose of obtaining any degree, diploma, or similar qualification.

**Dr. Anish John A**

Assistant Professor



**Mr. Somy P. Mathew**

Vice Principal & Hod Incharge


11/7/23

**Department of Management Studies**  
**Viswajyothi College Of Engineering And Technology, Vazhakulam**




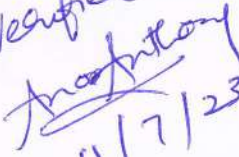
**CERTIFICATE**

This is to certify that the report titled "A Study on the impact of monetary incentives on the performance of employees in the organisation in ernakulam district" being submitted by Ms ALBINA SEBASTIAN, VJC21MBA07 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms ALBINA SEBASTIAN Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Ms. Riya Susan Skaria  
Asst. Professor



  
Mr. Somy P Mathew  
Vice Principal and HOD

Verified -  
  
11/7/23 -

**DEPARTMENT OF MANAGEMENT STUDIES  
VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report titled **“A STUDY ON FACTORS INFLUENCING INVESTMENT DECISIONS OF YOUTH WITH REFERENCE TO ERNAKULAM DISTRICT”** being submitted by **MS. ALBETRISE MARIYA DENNY**, Reg No: VJC21MBA06, to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Ms. Albetrise Mariya Denny under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

**MR. SEBIN JOSEPH**  
(Assistant Professor)  
Internal Supervisor



**MR. SOMY P MATHEW**  
(Vice Principal and HOD in charge)  
Project Coordinator

*Verified  
Anoop Antony  
11/7/23.*



**Department of Management Studies**

**Viswajyothi College Of Engineering And Technology, Vazhakulam**



**CERTIFICATE**

This is to certify that the report titled **A STUDY ON FACTORS INFLUENCING CONSUMER SATISFACTION OF RCM PRODUCTS WITH REFERENCE TO ERNAKULAM CITY**” being submitted by Mr. ALAN ALIAS, VJC21MBA05 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. ALAN ALIAS Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

Dr. JOSE MAMMAN

Faculty Guide



Mr. Somy P Mathew

↓ Head of the Department

*Verified  
Anoop Antony*

**Department of Management Studies**

**Viswajyothi College of Engineering and Technology**



**CERTIFICATE**

This is to certify that the report titled "A STUDY ON WELFARE MEASURES AND ITS IMPACT ON EMPLOYEE'S JOB SATISFACTION WITH SPECIAL REFERENCE TO IT INDUSTRY" being submitted by **AKASH SHAJI, VJC21MBA04**, in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by **Mr. AKASH SHAJI** of Department of Management Studies, Viswajyothi College of Engineering and Technology

**DR. ANISH JOHN.A**

**Assistant Professor**



**Mr. SOMY P MATHEW**

**Vice Principal and HoD in Charge**

*Verified  
through  
11/7/23*


**DEPARTMENT OF MANAGEMENT STUDIES**  
**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,**  
**VAZHAKULAM**



This is to certify that the report titled “**A STUDY OF FACTORS AFFECTING BRAND IMAGE ON CONSUMER PURCHASE BEHAVIOUR OF NIPPON DECORATIVE PAINTS IN ERNAKULAM DISTRICT**” being submitted by Mr. AJITH ANTONY, VJC21MBA03 in partial fulfilment of the requirements for the award of the Degree of Master of Business Administration, is a bonafide record of the project work done by Mr. AJITH ANTONY Department Of Management Studies, Viswajyothi College of Engineering and Technology Vazhakulam.

  
Ms. Mitha Geraldine Pottas  
Faculty Guide



  
Mr. Somy P Mathew  
Vice Principal  
and  
HOD

*Verified  
Ajith Antony  
11/7/23*

Department of Management Studies

Viswajyothi College Of Engineering And Technology, Vazhakulam



**CERTIFICATE**

This is to certify that the report titled "A Study On Impact Of Employee Motivation On Their Job Satisfaction With Special Reference Health Care Sector" being submitted by Mr. Abin K J VJC21MBA01, to the APJ Abdul Kalam Technological University In partial fulfillment of the requirements for the award of the Degree of Master of Business Administration is a bonafide record of the project work carried out by him under my Guidance and supervision. This report in any form has not been submitted to any other University or Institute for the award of any degree, diploma or similar title.

Dr. Anjali John

Faculty Guide



Mr. Somy P Mathew

Vice Principal and HOD in charge

Countersigned  
Anwar Anthony  
11/7/23

# VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Department of Information Technology



## BONAFIDE CERTIFICATE


This is to certify that the Main Project Report entitled "RESPIRATORY SOUND ANALYSIS FOR DETECTION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE" is a bonafide record of the work by ALEENA JOSEPH (VJC19IT004), BENNO BABY (VJC19IT019) and SREELAKSHMI K S (VJC19IT052) in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

Date: 23/5/2023

Place: Vazhakulam

  
Mrs. Juliet A Murali  
Assistant Professor  
Project Coordinator  
Dept. of IT, VJCET



  
Dr. Anju Susan George  
Project Guide  
Associate Professor and HOD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOL  
VAZHAKULAM P.O., MUVATTUPU



**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "DEVELOPMENT OF AN EVAPORATIVE DRINKING WATER COOLER" submitted by **Alan Reji, Bimal Xaviour, and Jince Jose** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. ARUN K.R  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 22/05/2023





**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



### **BONAFIDE CERTIFICATE**

This is to certify that the project entitled "THERMAL ANALYSIS OF FORCED LIQUID COOLING ON LI-ION BATTERY" submitted by Akash Adithyan, Albert Vincent and Febin K Sidheek for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. NIBIN B  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 23/05/2023





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "FABRICATION OF SPICE DRYER" submitted by **Eldho M. Biju, Jackson Joshi and RenjithKumar** for the award of the Degree of Bachelor of Technology in Mechanical Engineering isa bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

  
Mr. ELDHOSE PAUL  
Project Supervisor

  
Dr. SHUNMUGESH K  
Project Coordinator

  
Dr. SHUNMUGESH K  
HOD MED







**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "**DESIGN AND DEVELOPMENT OF LOW-COST PLASTIC BAG SHREDDING MACHINE**" submitted by **Ashwin R Nair, Vivek P V and Athul Paul** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Dr. ARUN K  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "PORTABLE UNLOADING MACHINE" submitted by **Alfred Sajan, Alvin Siby and Aravind T Biju** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Dr. ARUN RAPHEL  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED



Place: VAZHAKULAM  
Date: 22/05/2023



VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM



### BONAFIDE CERTIFICATE

This is to certify that the project entitled "EFFECT OF NANOPARTICLE ADDITION IN MECHANICAL AND TRIBOLOGICAL PERFORMANCE OF CHITOSAN REINFORCED HYBRID POLYESTER COMPOSITE" submitted by Basil Mathew, Eldho George, and Jacob Santy for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. Unnikrishnan T G  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: VAZHAKULUM  
Date: 23/05/2023





**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "OPTIMIZATION OF MACHINING PARAMETERS IN TURNING OF C45 STEEL USING ANFIS AND MACHINE LEARNING" submitted by **Albin Tony, Alias M Sunny, Allen Antoo and Shon Shaji** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Dr. SHUNMUGESH K  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 22/05/2023





**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM**



### **BONAFIDE CERTIFICATE**

This is to certify that the project entitled "MAGNETIC GEAR CONVEYOR SYSTEM" submitted by Antony M James, Aravind Shaji and Alen Mathew for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Dr. ARUN RAPHEL  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 22/05/2023





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “**DEVELOPMENT AND FABRICATION OF GLOVE DONNING SYSTEM**” submitted by **John Pulickakudiyil, Joyal C Benny, Nandaraj P S**, for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. VINOJ K  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "INHOUSE HYDROPONICS SYSTEM WITH CONTROLLED ENVIRONMENT" submitted by **Ahin Cheriyan, Akshai Jose** and **Jude Joseph V M** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mrs. LEEBA VARGHESE  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED





VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM



### BONAFIDE CERTIFICATE

This is to certify that the project entitled “**DESIGN AND FABRICATION OF GAUSS RIFLE WITH MECHANICAL FEEDING SYSTEM**” submitted by **Arun Tony, Jewel Johns Suresh, and Yadhu Krishnan** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. UNNIKRISHNAN T G  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 15/05/2023







**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled “**UNDERWATER INSPECTION AND EXPLORATION ROV**” submitted by **JOSE KURUVILLA POONOLIL, KEVIN STALIN, MARTIN JOSEPH** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. NIDHEESH K  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "FABRICATION AND ANALYSIS OF PLA COATED FLAX FIBRE REINFORCED EPOXY COMPOSITE" submitted by **Abraham Paul, Alush T Anil and Jose Babu** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. UNNIKRISHNAN T G  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED





VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, VAZHAKULAM



### BONAFIDE CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF MODIFIED SAVONIUS WIND TURBINE" submitted by **Bashar Mundackal Sali, Digin James and Bineesh T Basheer** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam

Mr. LOVIN VARGHESE  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD MED

Place: Vazhakulam  
Date: 26/05/2023



**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "DESIGN OF NEW BLADE PROFILE AND CHEVRON SHIFTING MECHANISM PROPOSAL FOR CF34 ENGINE" submitted by **Abhinand S Nair, Ashin K Sunny and Basil T E** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. ARUN K R  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator



Dr. SHUNMUGESH K  
HOD M.E.D



**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "**DEVELOPMENT AND FABRICATION OF CAPSEES**" submitted by **Ashik Sebeesh, Athil Rasheed and Eldhose Skaria** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

  
Mr. ANOOP JOY  
Project Supervisor

  
Dr. SHUNMUGESH K  
Project Coordinator

  
Dr. SHUNMUGESH K  
HOD MED





**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "**DESIGN OF NEW BLADE PROFILE AND CHEVRON SHIFTING MECHANISM PROPOSAL FOR CF34 ENGINE**" submitted by **Abhinand S Nair, Ashin K Sunny** and **Basil T E** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mr. ARUN K R  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator



Dr. SHUNMUGESH K  
HOD MED



**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**



**BONAFIDE CERTIFICATE**

This is to certify that the project entitled "INHOUSE HYDROPONICS SYSTEM WITH CONTROLLED ENVIRONMENT" submitted by Abin Cheriyan, Akshai Jose and **Jude Joseph V M** for the award of the Degree of Bachelor of Technology in Mechanical Engineering is a bonafide report of the work carried out under my guidance and supervision at Viswajyothi College of Engineering & Technology, Vazhakulam.

Mrs. LEEBA VARGHESE  
Project Supervisor

Dr. SHUNMUGESH K  
Project Coordinator

Dr. SHUNMUGESH K  
HOD, MED



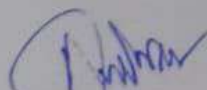
**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

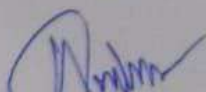
**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**




**CERTIFICATE**

This is to certify that the report entitled 'A Security model for preserving the privacy of Medical Big Data in Healthcare cloud using Fog Computing Facility with pairing-based Cryptography' submitted by SHINY STEPHEN to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Technology in Computer Science and Engineering is a bonafide record of the project work carried out by her under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Internal Supervisor

  
PG Coordinator



 Dr. Bismah V Shetty  
External Supervisor

  
Head of the Department



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND  
DATA SCIENCE**



**BONAFIDE CERTIFICATE**

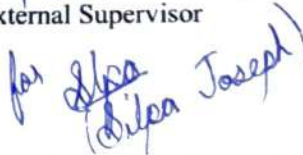
This is to certify that the mini project report entitled **“DEEP DASH”** is a bonafide record of the project presented by **ABIN ANTONY (VJC20AD001), ALLEN ANTONY (VJC20AD007), CHRISTO VINCENT (VJC20AD020)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University.

  
Internal Supervisor

  
Project Coordinator



  
External Supervisor

  
for *Silpa Joseph*

**Head Of the Department**  
**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
MUVATTUPUZHA**

**Department of Artificial Intelligence & Data Science**



**BONAFIDE CERTIFICATE**

This is to certify that the mini-project work entitled "HAND SIGN RECOGNITION SYSTEM" is a bonafide record of the work done by **ABY JOHNY(VJC20AD003), AMITHRAJITH V(VJC20AD010), JOM SEBASTIAN(VJC20AD029), TONY JOHN JOSE(VJC20AD031)** in partial fulfilment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University, Kerala.

Internal Supervisor

External Supervisor

Project Co-ordinator



**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that the mini project work done entitled “**DOCTOR RECOMMENDATION SYSYTEM USING SYMPTOMS**” is a bonafide record of the Mini Project done by **BHARATH N (VJC20AD019), GEORGEKUTTY JOSE (VJC20AD023), KEVIN TOM SAJEEV (VJC20AD031), DEVADATH T.M. (VJC20AD022)** in partial fulfillment of the requirements for the award of the degree of **B.Tech in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University, Kerala.

Internal Supervisor

External Supervisor

Project Coordinator



Head of the Department



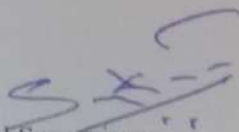
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TECHNOLOGY, VAZHAKULAM**

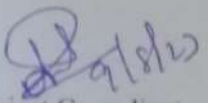
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND  
DATA SCIENCE**



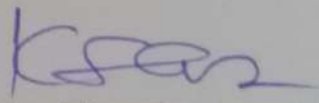
**BONAFIDE CERTIFICATE**

This is to certify that the mini project report entitled "**RODENT ACTIVITY MONITORING SYSTEM**" is a bonafide record of the project presented by **ALBY BENNY (VJC20AD006)**, **ALWIN P JOSE (VJC20AD008)**, **ATHUL ASOK (VJC20AD017)** and **NAVANEETH V NAIR(VJC20AD034)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University.

  
Internal Supervisor

  
Project Co-ordinator



  
External Supervisor

  
Head Of the Department

**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
ViswaJyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha


**VISWAJYOTHI COLLEGE OF ENGINEERING  
& TECHNOLOGY, MUVATTUPUZHA**

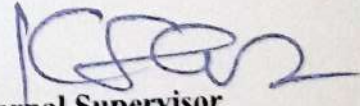
**Department of Artificial Intelligence & Data  
Science**

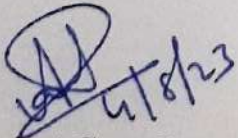


**BONAFIDE CERTIFICATE**

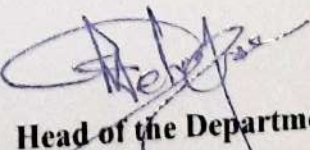
This is to certify that the project report entitled "**BRAIN TUMOR DETECTION**" submitted by **ANN MARIYA KURIAN (VJC20AD013)**, **GOPIKA BIJU (VJC20AD024)**, **MIKHELA THERES SABU MATHEW (VJC20AD032)**, **SRUTHI CHANDRAN (VJC20AD044)** to the Department of Artificial Intelligence & Data Science, Viswajyothi College of Engineering & Technology, Muvattupuzha in partial fulfillment of the requirement for the award of the degree of **B.Tech in Artificial Intelligence & Data Science** is a record of bonafide work carried out by him/her under my guidance. The project fulfills the requirements as per the regulations of the college and university and in my opinion meets the necessary standards for submission. The contents of this report have not been submitted in part or in full, for the award of any other degree in this college.

  
**Internal Supervisor**

  
**External Supervisor**

  
**Project Coordinator**



  
**Head of the Department**

**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

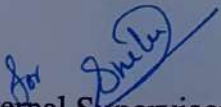
**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

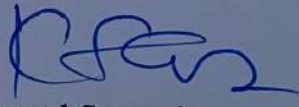


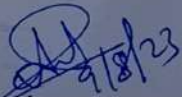
**BONAFIDE CERTIFICATE**

This is to certify that the mini project report entitled “ALZHEIMER’S DISEASE DETECTION” is a bonafide record of the project presented by **ARDHRA ANN DENNY (VJC20AD014), JEEVIKA SOJAN (VJC20AD027), REETHU GEORGE (VJC20AD039), SANDRA THERESA MATHEW (VJC20AD042)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University.

  
Internal Supervisor



  
External Supervisor

  
Project Co-Ordinator

  
Head of the Department  
**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
VAZHAKULAM**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that the mini project report entitled “**AUTOMATED GAMING**” is a bonafide record of the project presented by **ABISHEK RAVI (VJC20AD002), AMEER P IBRAHIM (VJC20AD009), JOSEPH VINCENT (VJC20AD030), MOHAMMED HANSIF (VJC20AD033)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University, Kerala.

Internal Supervisor



External Supervisor

Project Co-ordinator

Head Of the Department  
**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P.O., Muvattupuzha

**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
MUVATTUPUZHA**

**Department of Artificial Intelligence & Data Science**



**BONAFIDE CERTIFICATE**

This is to certify that the Mini project work entitled “**RFID BUS TICKETING SYSTEM**” is a bonafide record of the work done **ANANTHKRISHNA D S (VJC20AD011), ASWIN V A (VJC20AD015), DENIL GEORGE (VJC20AD021), JOEL PUNNASSERY (VJC20 AD028)** in partial fulfilment of the requirements for the award of **the Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University.

Internal Examiner

External Examiner

Project Co-ordinator



Head Of the Department

**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha




**VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY,  
MUVATTUPUZHA**

**Department of Artificial Intelligence & Data Science**




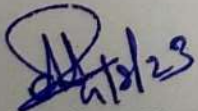
**BONAFIDE CERTIFICATE**

This is to certify that the work entitled "AIM-SUNIL" is a bonified record of the work done by **JAGATH JAYACHANDRAN (VJC20AD026)**, **RAHUL PRAVEEN (VJC20AD038)** in partial fulfillment of the requirement for the award of the degree of **B. Tech. in Artificial Intelligence & Data Science** of APJ Abdul Kalam Technological University.

  
4/18/23


**Internal Supervisor**

  
External Supervisor

  
4/18/23

**Project Coordinator**



  
**Head of the Department**  
**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

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TECHNOLOGY, MUVATTUPUZHA**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA  
SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that the project work entitled “**FIRE DETECTION USING COMPUTER VISION**” is a bonafide record of the work done by **AKSA ANN GLEMIN (VJC20AD005), GREESHMA REJI (VJC20AD025), NIVYA VINEETH (VJC20AD036), SARAFIN BABU (VJC20AD043)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in **Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University.

Internal Supervisor

External Supervisor

Project Coordinator



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA  
SCIENCE**



**BONAFIDE CERTIFICATE**


This is to certify that the project work entitled **“DROWSINESS DETECTION SYSTEM “** is a bonafide record of the work done by **ADHILA BEEGUM (VJC20AD004), ANJALY.K.VINOD (VJC20AD012), ATHIRA SUSAN SABU (VJC20AD016), NOVA EMMANUEL (VJC20AD037)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in **Artificial Intelligence And Data Science** of APJ Abdul Kalam Technological University.

  
Internal Supervisor



  
External Supervisor

  
Project Coordinator

  
Head of The Department

**HEAD OF THE DEPARTMENT**  
ARTIFICIAL INTELLIGENCE & DATA SCIENCE  
Viswajyothi College of Engineering & Technology  
Vazhakulam P. O., Muvattupuzha

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VAZHAKULAM- MUVATTUPUZHA**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA  
SCIENCE**



**BONAFIDE CERTIFICATE**

This is to certify that the mini project report entitled "AUTOMATED PRESENTATION MAKER" is a bonafide record of the project presented by ATHUL S (VJC20AD018), NIHAL THOMAS (VJC20AD035), REX JAISON (VJC20AD040), ROHAN RAJ (VJC20AD041) in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in Artificial Intelligence and Data Science** of APJ Abdul Kalam Technological University, Kerala.

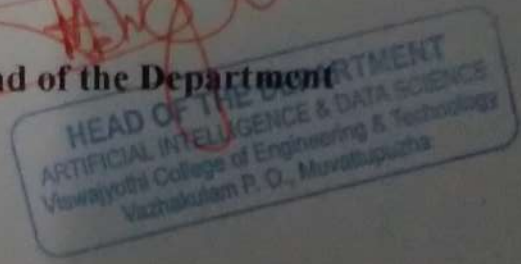
**Internal Supervisor**

**External Supervisor**



**Project Coordinator**

**Head of the Department**



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TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **EXPENSE TRACKER USING MACHINE LEARNING** ” is a bonafide work done by **JOEL JOSE(VJC20CS070)**, **PRANAV T PRAMOD(VJC20CS097)**, **MARTIN ANTONY( VJC20CS085)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled " DOOR SECURITY SYSTEM USING ML " is a bonafide work done by GLADIA K.LAL( VJC20CS057 ),HANNA SHAMSUDHEEN ( VJC20CS062 ),JYOTHIKA SHAJI( VJC20CS074 ),NEHAMOL SUNNY( VJC20CS093 ) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ FOOD RECOMMENDATION SYSTEM ” is a bonafide work done by AMALA JOHN (VJC20CS019), LIYA MARIYA ABRAHAM (VJC20CS083), MISTY SUNNY (VJC20CS090), THERESA POLYCHAN (VJC20CS117) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **DEPRESSION DETECTION SYSTEM** ” is a bonafide work done by **GAYATRI PG (VJC20CS052), GEETHUKRISHNA TS (VJC20CS053), SAJITHA FRANCIS (VJC20CS105), SERENE JOHN (VJC20CS109)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**





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TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **MULTI-SALON APP** ” is a bonafide work done by **DIYA XAVIER (VJC20CS044), EMLIN MARIA ROY (VJC20CS048), GRACE JOHN (VJC20CS061), SONA SUNNY (VJC20CS115)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



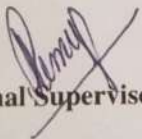
**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**


**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

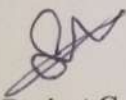


**BONAFIDE CERTIFICATE**


Certified that the mini project work entitled “ **PATIENT MONITORING SYSTEM** ” is a bonafide work done by **ANNA PRIZE JOHNEY(VJC20CS025)**, **AYSHA NAZRIN AFSAL(VJC20CS037)**, **LEKSHMI PRIYA C M(VJC20CS080)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
**Internal Supervisor**

  
**External Supervisor**

  
**Mini Project Coordinator**



  
**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **MORSE CODE TRANSLATOR**” is a bonafide work done by **CHRISTO ROBINSON (VJC20CS038)**, **SIDHARTH S (VJC20CS171)**, **VARGHESE P JOSEPH (VJC20CS042)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ STUDENT ATTENDANCE SYSTEM USING FACE RECOGNITION” is a bonafide work done by ANAND VISHNU K V (VJC20CS021), JERIN JOSEPH (VJC20CS066), KRISHNA RENJITH (VJC20CS079), LIJUMON A P (VJC20CS081), in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science and Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



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TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled **“EMERGENCY SOS SYSTEM”** is a bonafide work done by **MELVIN BIJU (VJC20CS087), MOHAMED FAHAD (VJC20CS091), SAMUEL JOSEPH (VJC20CS106), SOHIT S (VJC20CS114)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

**Internal Supervisor**

**Mini Project Coordinator**



**External Supervisor**

**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ MUSN-ART - Multimedia Information\_Extractor ” is a bonafide work done by ABEL BINOY ( VJC20CS002 ), FARSEEN MUHAMMED ( VJC20CS050 ), K A MUHAMMED ( VJC20CS075 ), VARUN MOHAMMED ( VJC20CS122 ) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled "CRIME RECORD SYSTEM" is a bonafide work done by ANNS K.JAMES (LVJC20CS124), CLARE MARIA FRANCIS (VJC20CS039), GOPIKA BYJU (VJC20CS058), MARIYA P B (VJC20CS084) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022 - 2023

Internal Supervisor

External Supervisor

Mini Project Coordinator

Head of Department

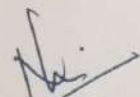


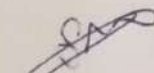
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TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**


Certified that the mini project work entitled “ **Tailoring Managment System**” is a bonafide work done by **ANANNYA MATHEW (VJC20CS022)**, **GADHA ASHOK ( VJC20CS051 )**, **NEHALA KASSIM (VJC20CS092)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
**Internal Supervisor**

  
**Mini Project Coordinator**



  
**External Supervisor**

  
**Head of Department**



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TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled "G-FIT" is a bonafide work done by **ABHIJITH RAJESH(VJC20CS005)**, **IAN ANTONY(VJC20CS064)**, **JOSEPH PETER(VJC20CS072)**, **RUBEN MANOJ (VJC20CS103)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**

**Head of Department**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **TRIP PLANNER**” is a bonafide work done by **ABHINAV P GEORGE (VJC20CS006)**, **ALVIN SAJU (VJC20CS018)**, **ANTO S ILLICKAL (VJC20CS027)**, **SHARATH SIVAKUMAR (VJC20CS111)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



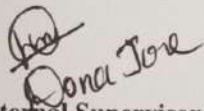
**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ vServ ” is a bonafide work done by **CRISTIN SILJO** (VJC20CS040), **AASHUTHOSH S** (VJC20CS001), **ANANDHU S** (VJC20CS020), **GEORGE GEO** (VJC20CS054) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

  
Donal Jose

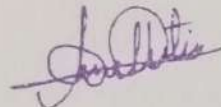
**Internal Supervisor**



**External Supervisor**



**Mini Project Coordinator**



**Head of Department**



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TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **VOCALIZE SPEECH SYSTEM**” is a bonafide work done by **ADITYA ANIL (VJC20CS012)**, **ARJUN ANIL (VJC20CS031)**, **DAVIS SEBASTIAN (VJC20CS042)**, **SAJIN SABU (VJC20CS104)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **SCRAP DEALING SYSTEM**” is a bonafide work done by **ABIN THOMAS (VJC20CS009) ALEX SEBIN (VJC20CS013) JOEL GEORGE TOINE (VJC20CS069) R JAYAKRISHNAN (VJC20CS102)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

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TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled " VOTING SYSTEM USING BLOCKCHAIN" is a bonafide work done by ABEL MATHEW XAVIER (VJC20CS003), ADARSH BINOY JOSEPH (VJC20CS010), JAMES ANTONY PAUL (VJC20CS065) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

*For Ramif*  
**Internal Supervisor**

*Dr. Srinivas S*  
**External Supervisor**

*27/6/23*  
**Mini Project Coordinator**



*[Signature]*  
**Head of Department**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **DAIRY DASH - AN E-COMMERCE PLATFORM FOR MILK MERCHANDISE**” is a bonafide work done by **ALVIN CHACKOCHAN (VJC20CS017), ARIANE VINCENT C (VJC20CS029), DONJO DANTY (VJC20CS012), JOBAL VARGHESE (VJC20CS068)**, in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ VOTINGMATE: Campus Voting System Using Face Recognition” is a bonafide work done by ABHAYA PATHROSE (VJC20CS004), ANANYA S (VJC20CS023), EEVA E P (VJC20CS047), GOPIKA SHINE (VJC20CS059) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science and Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**



**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**

**DEPARTMENT OF COMPUTER SCIENCE**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ COLLEGE ENQUIRY CHATBOT VJCET” is a bonafide work done by **ARJITH GURUDAS (VJC20CS030)**, **EDWIN ROY (VJC20CS046)**, **HARSHAVARDHAN DHINU (VJC20CS063)**, **LINO SAJI (VJC20CS082)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **MANAGING EXPIRING INVENTORY** ” is a bonafide work done by **DAVID D M(VJC20CS041), JOICE MATHEW( VJC20CS071 ), TOM ALEX( VJC20CS119), JOYEL SANI( VJC20CS073 )** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

*Mimmy*

**Internal Supervisor**

*Kamya*

*Dr. Sarika - S*

**External Supervisor**

*Arifa*  
*27/6/23*

**Mini Project Coordinator**



*Arifa*

**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ TWITTER SENTIMENT ANALYSIS” is a bonafide work done by ALIYA ASHRAF (VJC20CS014), ANN ANNA ABY (VJC20CS024), DEVIKA S DEV(VJC20CS043) , RITHU BABU (VJC20CS101) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled " CANTEEN AUTOMATION SYSTEM" is a bonafide work done by RENJIMA REJI (VJC20CS100),GISHNA BIJU (VJC20CS056),ASWATHY MURALI (VJC20CS034) and NORAH JOMON (VJC20CS095) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Mini Project Coordinator



Head of Department

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **DRIVER CARE : A FATIGUE DETECTION USING CNN**” is a bonafide work done by **APARNA C R (VJC20CS028)**, **ATHULYA ROSE TOM (VJC20CS036)**, **VARSHA CLEETUS (VJC20CS121)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from **APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala** during the academic year 2022-2023

*Anu*

**Internal Supervisor**

*Shobha*

**External Supervisor**

*Anu*  
27/6/23

**Mini Project Coordinator**

*Shobha*

**Head of Department**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



### BONAFIDE CERTIFICATE

Certified that mini project “**Image Forgery Detector**” is a bonafide work done by **Jessy Willy (VJC20CS067)**, **Kenza Zakeer (VJC20CS076)**, **Megha Sara Paul (VJC20CS086)** and **Noya Mathew (VJC20CS096)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023.

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

Certified that the mini project work entitled “DIET DASHBOARD” is a bonafide work done by ABHIRAM SHIBU(VJC20CS007), ANOOJ THOMSON (VJC20CS026), KEVIN SEBASTIAN (VJC20CS077), VISHNU S(VJC20CS123) in partial fulfillment of the award of the Degree of Bachelor of Technology in Computer Science & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

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External Supervisor

Mini Project Coordinator



Head of Department

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ NTask-Task Manager” is a bonafide work done by NIR-  
MAL VIJAYAN (VJC20CS094), ABI MATHEW KURIAN (VJC20CS008), MELVIN JOHNSON (VJC20CS088),  
SEBASTIAN SKARIA (VJC20CS108) in partial fulfillment of the award of the Degree of **Bachelor of  
Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological Uni-  
versity, Thiruvananthapuram, Kerala during the academic year 2022-2023

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**External Supervisor**

**Mini Project Coordinator**



**Head of Department**



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

Certified that the mini project work entitled “ SIGN LANGUAGE RECOGNITION” is a bonafide work done by PRAVEEN PRASAD (VJC20CS098), RAJUL RACY (VJC20CS099), ATHUL SAJI(VJC20CS035) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Internal Supervisor

External Supervisor

Mini Project Coordinator



Head of Department

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
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VAZHAKULAM, 686670



**CERTIFICATE**

Certified that project work entitled “**Deep Dermatologist**” is a bonafide work done by **Mr. Georgy P Johnson (VJC20CS055)** , **Mr. Samuel Kuruvilla (VJC20CS107)**, **Mr. Shan Shaji (VJC20CS110)**, **Mr. Thomasukutty Benny (VJC20CS118)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ **EMAIL SPAM DETECTION** ” is a bonafide work done by **ASHLY SHAJI (VJC20CS033)**, **MILIYA ELIAS (VJC20CS089)**, **SHIFIN VINCENT (VJC20CS112)**, **SONA XAVIER (VJC20CS116)** in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled " LEAF-DOC" is a bonafide work done by ADARSH JIN (VJC20CS011), ALLANT JOSE (VJC20CS016), ARUN JIBI(VJC20CS032), EMMANUVEL JOSE(VJC20CS049), in partial fulfillment of the award of the Degree of **Bachelor of Technology in Computer Science & Engineering** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

**Internal Supervisor**

**External Supervisor**

**Mini Project Coordinator**



**Head of Department**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
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**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**




**CERTIFICATE**

This is to certify that the mini project report entitled **LOW POWER INVERTER** submitted by **Aleena Jibin(Reg No:VJC20EC007)**, **Amy Cherian(Reg No:VJC20EC011)**, **Gopika S Nair(Reg No:VJC20EC019)**, **Swetha.A.A(Reg No:VJC20EC031)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator:  
(Ranjini Surendran)

  
Head of the Department:

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM



CERTIFICATE

This is to certify that the mini project report entitled 'QUIZBUZZER' submitted by **Abhijith A(VJC20EC001), Abhin Ashok (VJC20EC002) , Amruthesh P S(VJC20EC010)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor(s)

  
External Supervisor(s)

(If any)



Project Coordinator

(Ranjini Surendran)

  
Head of the Department

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**CERTIFICATE**

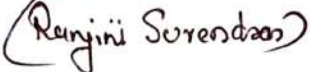
This is to certify that the mini project report entitled '**Bidirectional visitor counter with automatic light control**' submitted by **Abin Alias (Reg No:VJC20EC004)**, **Arjun Krishna G (Reg No:VJC20EC013)**, **Noel Johnson (Reg No:VJC20EC027)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
(Ranjini Surendran)

  
Head of the Department

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM



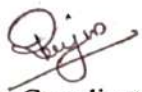
CERTIFICATE

This is to certify that the mini project report entitled '**IR Remote Replicator**' submitted by **Ajay Paul (Reg No: VJC20ec005)**, **Ameer Navas (Reg No:VJC20ec008)**, **Nitto B Kappen (Reg NoVJC20ec026)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator  
(**Panjini Sureshnan**)

  
Head of the Department



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**



**CERTIFICATE**

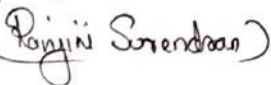
This is to certify that the mini project report entitled '**Anti-Sleeping Glasses**' submitted by **Akshay Sajeesh (Reg No: VJC20EC006)**, **Ananthu Krishna G (Reg No: VJC20EC012)**, **Kunchacko Saji (Reg No: VJC20EC022)**, to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator

  
(Poojini Sorendran)

  
Head of the Department

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM



CERTIFICATE


This is to certify that the mini project report entitled **Switch Bot** submitted by **Chandana Sajeev (VJC20EC014), Dewlin M Joshy (VJC20EC016), Maya A Sabu(VJC20EC024)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor



External Supervisor

  
Project Coordinator  
Ranjini Sureshdass

  
Head of the Department

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM



CERTIFICATE

This is to certify that the mini project report entitled **Smart Door Lock** submitted by **Aminul Ansha Noushad (VJC20EC009)**, **Fathima M A (VJC20EC018)**, **Jifi Jimmy (VJC20EC020)**, **K B Nandana (VJC20EC021)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor



External Supervisor

  
Project Coordinator  
(Ranjini Surendran)

  
Head of the Department

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM




CERTIFICATE

This is to certify that the mini project report entitled 'Smart floor cleaning using Arduino' submitted by **Lakshmi Jayakumar (VJC20EC023)** , **Pooja Ashok (VJC20EC028)**, **Sharon Susan Varghese(VJC20EC029)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator  
(Ranjini Sorendran)

  
Head of the Dept.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM**




**CERTIFICATE**

This is to certify that the mini project report entitled '**AUTOMATIC IRRIGATION SYSTEM**' submitted by **MISHAL SAJI(VJC20EC025)**, **STELVIN STEPHAN(VJC20EC030)**, **TOMIN THOMAS(VJC20EC032)** to the APJ Abdul Kalam Technological University in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics and Communication Engineering is a bonafide record of the project work carried out by them under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor

  
External Supervisor

  
Project Coordinator  
(Ranjini Surendran)

  
Head of the Department

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING  
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM**



**CERTIFICATE**

This is to certify that the report entitled 'GIMBAL' submitted by **ABHISHEK JOY (VJC20EC003), DANIEL BINU (VJC20EC015), DIJO SEBASTIAN (VJC20EC017)** to the **APJ Abdul Kalam Technological University** in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering** is a Bonafide record of the project work carried out by them under my guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

  
Manu Jose

Internal Supervisor



External Supervisor



Project Coordinator

(Ranjini Surendran)



Head of the Department

VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY




**BONAFIDE CERTIFICATE**


This is to certify that the Project Report entitled "TOLL APPLICATION" is a bonafide record of the work done by AINA SHIBU(VJC20RT255), ADARSH E REJI(VJC20RT302), P B SRUTHY (VJC20RT113), ANAND P SASIDHARAN (VJC20RT360) in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Information Technology of APJ Abdul Kalam Technological University.

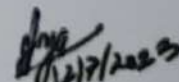
Date: 27/06/2023

Place: Vazhakulam

  
Mrs. Shilpa Sugathan  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET



  
Mrs. Tiny Molly V  
Project Guide  
Assistant Professor  
Dept. Of IT, VJCET

  
Dr. Anju Susan George  
Assoc. Professor and HOD  
Dept. of IT, VJCET

HEAD, INFORMATION TECHNOLOGY DEPT.,  
VISWAJYOTHI COLLEGE OF ENGG. & TECHNOLOGY,  
VAZHAKULAM P.O., MUVATTUPUZHA

DEPARTMENT OF INFORMATION TECHNOLOGY  
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “TEACHER TIMETABLE SOFT-WARE GENERATION SYSTEM USING PYTHON” is a bonafide work of ANANDHU SUNIL (VJC20IT011) ,ELDHO PETER REGI (VJC20IT017), JEEVAN BENNY(VJC20IT020) and SIVAPRIYA V JAYAN (VJC20IT042) in partial fulfillment for the award of the Degree of Bachelor of Technology in Information Technology & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

Place : Vazhakulam

Date : 27/06/23

Mrs. Salini Dev P V

Project Guide

Assistant Professor

Dept. of IT, VJCET

Mrs. Shilpa Sugathan

Project Coordinator

Assistant Professor

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DEPARTMENT OF INFORMATION TECHNOLOGY  
VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY  
VAZHAKULAM, 686670



**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**REAL ESTATE MANAGEMENT SYSTEM**” is a bonafide work of **AMAN H(VJC20IT010)**, **NIKHIL JOY(VJC20IT031)** and **RON THOMAS(VJC20IT038)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Information Technology & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

Place : Vazhakulam

Date : 30/6/23

**Mrs. Shilpa Sugathan**  
Project Coordinator  
Assistant Professor  
Dept. of IT, VJCET

**Mr. Jimmy Geroge**

**Project Guide**  
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**Dr. Anju Susan George**  
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**Dept. of IT, VJCET**



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VISWAJYOTHI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, VAZHAKULAM  
DEPARTMENT OF INFORMATION TECHNOLOGY



**BONAFIDE CERTIFICATE**

Certified that the mini project work entitled “ SPORTS EVENT MANAGEMENT SYSTEM ” is a bonafide work done by ALEENA BIJU ( VJC20IT007 ), ANU BABY ( VJC20IT015 ), BASIL BAIJU ( VJC20IT016 ), RILU TOJO ( VJC20IT035 ) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Information Technology** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Place : Vazhakulam

Date : 27/06/2023

Shilpa Sugathan

Project Coordinator

Assistant Professor

Dept. of IT, VJCET



Mrs. Salini Dev P.V

Project Guide

Assistant Professor

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Dr. Anju Susan George

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TECHNOLOGY, VAZHAKULAM

DEPARTMENT OF INFORMATION TECHNOLOGY




BONAFIDE CERTIFICATE

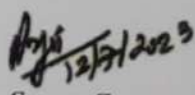
Certified that the mini project work entitled " EASY CLUTCH" is a bonafide work done by ANTONY CIJO (VJC20IT014), ERIC PAUL EDAKKATTIL (VJC20IT018), PIOUS RAJU (VJC20IT034), SARA THERESA SABU (VJC20IT039) in partial fulfillment of the award of the Degree of **Bachelor of Technology in Information Technology** from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2022-2023

Date: 27/06/2023

Place: Vazhakulam

  
Mrs. Shilpa Suguthan  
Assistant Professor  
Project Coordinator  
IT Department, VJCET



  
Dr. Anju Susan George  
Project Guide  
Associate Professor and HOD  
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DEPARTMENT OF INFORMATION TECHNOLOGY  
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**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled “**HOSTEL OPERATIONS & MANAGEMENT ENHANCED**” is a bonafide work of **AGNAL ROY(VJC20IT003), JOSNA JOSEPH (VJC20IT025), MICHAEL RAJU(VJC20IT030),SHANO THOMAS(VJC20IT041)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Information Technology & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

Place : Vazhakulam

Date : 27/6/2023



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This is to certify that the Project Report entitled “ “EXAM MANAGEMENT SYSTEM” is a bonafide work of **AKSHARA JOSHY (VJC20IT005)** , **ALEETA ROSE (VJC20IT008)** , **JOANA ELSUM MANUEL (VJC20IT022)** and **RIYA VINCENT (VJC20IT036)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Information Technology & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

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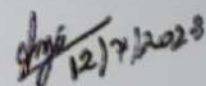


  
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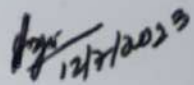
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This is to certify that the Project Report entitled “ **WATER PIPE LEAKAGE MANAGEMENT SYSTEM**” is a bonafide work of **JOHN MATHEW (VJC20IT023), LIJO JOSEPH (VJC20IT029), SAVIO JOSEPH BABU (VJC20IT040)** in partial fulfillment for the award of the Degree of Bachelor of Technology in Information Technology & Engineering from APJ Abdul Kalam Technological University, Thiruvananthapuram, Kerala during the academic year 2023-2024

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