

DEPARTMENT OF PHYSICS  
ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI

**RESEARCH COLLABORATION 2022-23**

Dr. G. Shakil Muhammad, Associate Professor and Head, Department of Physics and his research team collaborated with A. Duke John David, Department of Physics, Voorhees College, Vellore Tamil Nadu, India and published a research article titled "Structural and Optical Properties of  $Dy^{3+}$  Doped with an Eulytite Type  $NaBaBi_2(PO_4)_3$  Phosphor for White Light Emitting Diodes" in Asian Journal of Chemistry on June 2022.

Dr. F. Liakath Ali Khan and Dr. A. Aathif Basha, Department of Physics and his research team collaborated with B.H Kabir Hussain, Department of Chemistry, VIT University, Vellore 632014, Tamil Nadu, India and published a research article titled "Dielectric relaxation and thermodynamical parameters of hydrogen bonded complexes for Heptanamide and Pentanamide with halogenated phenols in benzene" in Journal of Molecular Liquids on July 2022.

Dr. J. Asghar, Associate Professor of Physics and his research team collaborated with B. Arjun Kumar, Quantum Materials Research Lab (QMRL), Department of Nanoscience & Technology, Alagappa University, Karaikudi (TN), India and published a research article titled "Investigation of Lithium Iodide Intercalated 2D-nanosheets for DSSC Applications" in International Journal Of Renewable Energy Research on September, 2022.


Dr. F. Liakath Ali Khan and Dr. A. Aathif Basha, Department of Physics and his research team collaborated with Nadia Nebbache, Laboratory of Applied Chemistry, University of Biskra, BP 145, 07000 Biskra, Algeria and published a research article titled "Ternary Mixture of Pentanamide in Solvent Analogy with Halogenated Phenol: Experimental, Theoretical, and In Silico Biological Studies" in ACS Omega on September, 2023.

1 - Shakil

2 - John David

3 - A. Duke John David

4 - A. Aathif Basha

  
PRINCIPAL  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



# SAVEETHA DENTAL COLLEGE & HOSPITALS

3.7.1 BT



Saveetha Institute of Medical and Technical Sciences

Post Bag No. 6, # 162, Poonamallee High Road, Chennai - 600 077.

Phone : 044-2680 1580 - 85 (6 Lines) Fax : 2680 0892

e-mail : principal@saveetha.com Website : http://www.saveetha.com



Date: 29.07.2022

To

Dr. S.U. Mohammed Riyaz, M.Sc., M.Phil., Ph.D., SET, NPDF  
Assistant Professor,  
PG & Research Department of Biotechnology  
Islamiah College (Autonomous),  
Newtown, Vaniyambadi - 635 752.

Dear Sir,

Greetings from Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Chennai, India.

I wish to inform you that Saveetha Dental College and Hospitals is honored to appoint you as a Distinguished Adjunct faculty in the Department of Prosthodontics to our Institution.

I am to inform you that the University wishes to share your knowledge and expertise in the Research & Development pertaining to your Speciality. You may be required to visit the University once or twice in an academic year for the said purpose at your convenience. A team of faculty members from Saveetha Dental College and Hospitals of this University will be with you to coordinate and assist.

Your travel & accommodation will be taken care by the University during your stay at Chennai and a suitable honorarium will also be paid. Please indicate your acceptance by returning a signed duplicate copy of this appointment order.

Looking forward to a long and rewarding working relationship and the University will endeavor to support your work in every way.

With warm regards,

*I am happy to accept the appointment as Adjunct Faculty.*  
*S. V. Mohammed Riyaz*  
*01-08-2022*

**Dr. N. Thiyaneswaran**  
Asso. Dean of Faculty



**Dr. S. Aravind Kumar**  
Dean

*Head*  
**HEAD**

**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**

*Principal*  
**PRINCIPAL**

**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**



## FULL PAPER

# Green preparation of bract extract (*Musa acuminata*) doped magnesium oxide nanoparticles and their bioefficacy

Jayashree Shanmugam<sup>1</sup> | Aruna Sharmili Sundararaj<sup>1</sup> |  
Roshitha Shanmugasundaram<sup>1</sup> | Balaji Ravichandran<sup>2</sup> |  
Mahendrakumar Mani<sup>3</sup> | Savaas Umar Mohammed Riyaz<sup>4,5</sup> |  
Manikandan Dhayalan<sup>6</sup> | Antonio Cid-Samamed<sup>7</sup> | Jesus Simal-Gandara<sup>8</sup>

<sup>1</sup>Department of Biotechnology, Stella Maris College (Autonomous), Chennai, 600 086, India

<sup>2</sup>Centre for Advanced Study in Botany, University of Madras, Chennai, 600 025, India

<sup>3</sup>Department of Biotechnology, Guru Nanak College (Autonomous), Chennai, 600 042, India

<sup>4</sup>PG & Research Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, Tamil Nadu, 635752, India

<sup>5</sup>Department of Prosthodontics, Saveetha Dental College & Hospitals, Saveetha Institute of Medical and Technical Sciences (Saveetha University), Chennai, Tamilnadu, 600 077, India

<sup>6</sup>Small Molecules and Drug Discovery Group, Anticancer Bioscience, Tianfu International Biotown, Chengdu, 610000, China

<sup>7</sup>Department of Physical Chemistry, Faculty of Sciences, University of Vigo, Ourense, E-32004, Spain

<sup>8</sup>Department Analytical Chemistry and Food Science, Faculty of Science, Universidade de Vigo, Nutrition and Bromatology Group, Ourense, E-32004, Spain

## Correspondence

Aruna Sharmili S., Department of Biotechnology, Stella Maris College (Autonomous), Chennai 600 086, India.  
Email: arunasharmili@stellamariscollege.edu.in

Manikandan Dhayalan, Small Molecules and Drug Discovery Group, Anticancer Bioscience, Tianfu International Biotown, Chengdu 610000, China.  
Email: manikandandhayalan88@gmail.com

Jesus Simal-Gandara, Department of Analytical Chemistry and Food Science, Faculty of Science, Universidade de Vigo, Nutrition and Bromatology Group, E-32004 Ourense, Spain.  
Email: jsimal@uvigo.es

Magnesium oxide nanoparticles (MgONPs) synthesized by efficient green approach have unique physiochemical properties. In this study, MgONPs are synthesized with bract extract of *Musa acuminata*, an agro waste. The surface plasmon resonance at 450 nm in UV spectrum and FTIR peaks at 601 and 890 cm<sup>-1</sup> confirmed the presence of MgONPs. XRD pattern revealed high crystallinity of the nanoparticles with an intense orientation peak at 111, and the size was 13 nm. The particles were spherical with an average size of 24.85 nm. The elemental percentage of magnesium and oxygen were 68.55% and 31.45%. MgONPs had antibacterial activity against *Bacillus subtilis*, *Escherichia coli*, *Vibrio harveyi*, *Vibrio parahaemolyticus*, and *Staphylococcus aureus* with MIC, 6 µg/mL. The IC<sub>50</sub> value for MCF-7 cell was 113.56 µg/mL, and the normal cell line was 785.69 µg/mL. The NPs also exhibited hemolytic features in a dose-dependent manner. The MgONPs exhibited photocatalytic degradation of methyl violet, CBB G-250, and malachite green in 60 min duration. MgONPs had promising antibacterial, cytotoxic, hemolytic, photocatalytic, and seed germination activity. They have the potential to serve as an additive in a variety of biological applications.

## KEYWORDS

agro-waste, biological synthesis, MCF-7 cells, photocatalytic activity, seed germination

This is an open access article under the terms of the Creative Commons Attribution License, which permits use, distribution and reproduction in any medium, provided the original work is properly cited.

© 2023 The Authors. *Applied Organometallic Chemistry* published by John Wiley & Sons Ltd.





Surana Circle, Cherlapally IDA, Hyderabad,  
Telangana, Pin: 500051, India

M: 9014935156 | Email: [counselor.bio@nthrys.com](mailto:counselor.bio@nthrys.com) | [biotech.labs.nthrys.com](http://biotech.labs.nthrys.com)


## CERTIFICATE

This is to certify that **Mr. Thalha Mudassir V.A** studying **B.Sc Biotechnology** at **Islamiah College (Autonomous)** has done **Internship** under the field of **Biotechnology** between 20th July 2022 to 16th August 2022 under the title "**Screening, isolation and characterization of *Bacillus thuringiensis* from mosquito larvae.**" at NTHRYS Biotech Labs under my supervision.

*Balaji S Rao*

**Balaji S Rao**  
Director & Research Head  
NTHRYS Biotech Labs  
[director@nthrys.com](mailto:director@nthrys.com)  
M: +91-9849854748

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

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

This certificate is not valid if it is not downloaded in its original format without NTHRYS Logo from the following

URL: <http://www.nthrys.com/reg/2579-Certificate-1659957397299.pdf>

Password to open this PDF document is issued to the candidate



NTHRYS Biotech Labs | [support@nthrys.com](mailto:support@nthrys.com) | 9014935156 | [www.nthrys.com](http://www.nthrys.com)

A Govt. Registered Research Company



**Dr. N. SHABEER AHMED, M.Sc., M.Phil., D.Ed., Ph.D., SET.**  
**ASSISTANT PROFESSOR,**  
**DEPARTMENT OF BIOTECHNOLOGY,**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 635 752**

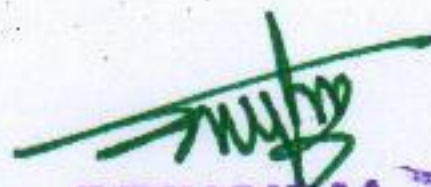


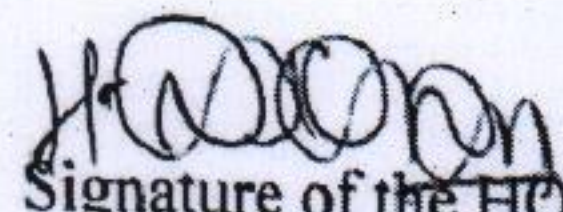
### **CERTIFICATE**

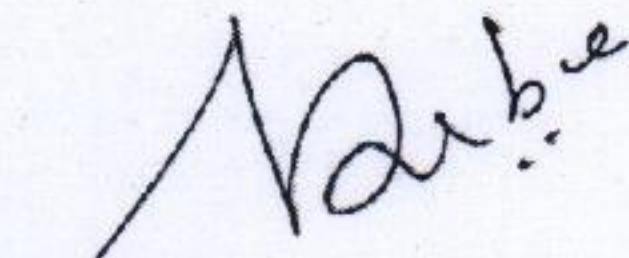
This is to certify that the report of the internship training in “**Screening, isolation and characterization of *Bacillus thuringiensis* from mosquito larvae.**” at Nthrys Biotech Lab, Cherlapally, Hyderabad submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Biotechnology is a genuine record of training underwent by **Mr. Thalha Mudassir V.A. Reg.No. (31120U16047)** during the period from **20-07-2022 to 16-08-2022** (90 hours) of his study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi-635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Apprenticeship / Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

Date: 05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the HOD  
**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**

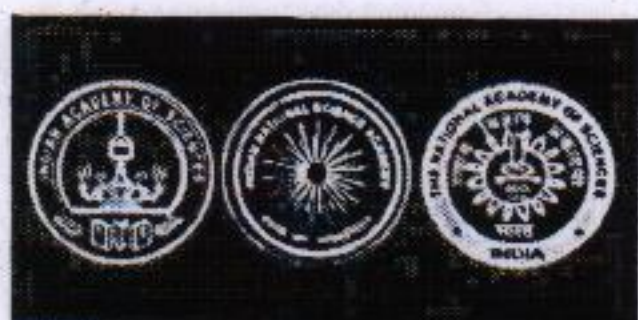
  
Signature of the Guide  
**Dr. N. Shabeer Ahmed,**  
M.Sc., M. Phil., Ph.D., SET.  
Assistant Professor  
Department of Biotechnology  
Islamiah College (Autonomous)  
Vaniyambadi - 635 752.






*Summer Research Fellowship Programme  
Certificate*

*This is to certify that Mr Cholvaram Anas Sameed worked on a project entitled "Testing the performance of a commercial  $\beta$ -actin antibody on various mice liver tissue samples using immunohistochemistry" during July - August 2022 as a Summer Research Fellow under the supervision of Dr M.G. Sanal, Institute of Liver and Biliary Sciences, New Delhi. The Summer Research Fellowship Program is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).*



*Place: Bengaluru*

*Date: 02-12-2022*

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



P. K. Das

*Chairman, Science Education Panel*

INDIAN ACADEMY OF SCIENCES, C. V. RAMAN AVENUE, POST BOX No. 8005,  
RAMAN RESEARCH INSTITUTE CAMPUS, SADASHIVANAGAR P.O.,  
BENGALURU 560 080, INDIA





Department of Molecular and Cellular Medicine,  
Institute of Liver and Biliary Sciences  
D-1, Vasant Kunj,  
New Delhi - 110070

### CERTIFICATE

This is to certify that the project titled "Testing the performance of a commercial  $\beta$ -actin antibody on various mouse antibody on various mouse liver tissue samples using immunohistochemistry" submitted to the IAS- INSA-NASI Academy of Sciences is a bonafide work that is carried out by Mr. Cholavaram Anas Sameed at Institute of Liver and Biliary Sciences [ILBS] under the supervision of Dr. Sanal M.G., is accepted as a record of work by him as part of IAS-INSANA-NASI Summer Research Fellowship 2022.

Sanal MG, MBBS, PhD  
Assistant Professor,  
Department of Molecular and Cellular Medicine  
Institute of Liver and Biliary Sciences  
D-1, Vasant Kunj, New Delhi 110070

PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

28/September/2022

(supervisor)





Islamiah College (Autonomous),  
Department of Biotechnology,  
College Road, Newtown, Vaniyambadi 635752,  
Tamilnadu

### CERTIFICATE


This is to certify that the report of the internship training in Project entitles, "Testing the performance of a commercial  $\beta$ -actin antibody on various Mice Liver tissue samples using Immunohistochemistry" at [Institute of Liver and Biliary Sciences, New Delhi] submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the student,

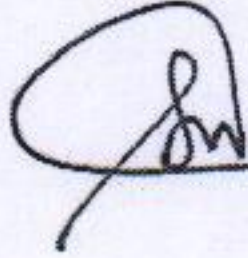
Cholavaram Anas Sameed

- 31120U16012

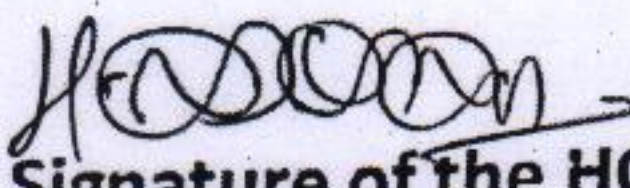
During the period from 15-07-2022 to 28-09-2022 of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635752 under my supervision and guidance and the report has not formed the basis for the award of any degree/ diploma/ associateship/ fellowship titles to any candidate of any University.

Place: Vaniyambadi  
Date: 05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
3/5/23  
**Signature of the Guide**

**Dr.S.U.MOHAMMED RIYAZ**  
M.Sc.,M.Phil.,Ph.D.,SET.,PDF.  
Assistant Professor  
Department of Biotechnology  
Islamiah College (Autonomous)  
Vaniyambadi-635 752.

  
**Signature of the HOD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# POPULAR HITECH DIAGNOSTICS LABORATORY

பாப்டுலர் றீதீன் ஓர்த்தப் பரிசோதனை றீலையப்


- ✦ Fully Automated Biochemistry Analyser
- ✦ Fully Automated Hematology Analyser
- ✦ Fully Automated Nephelometry Analyser

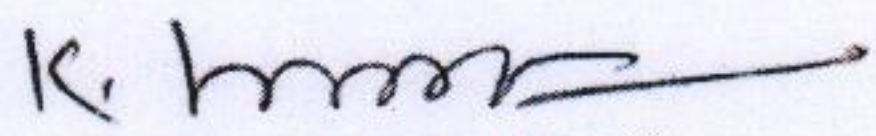
- ✦ Fully Automated Coagulation Analyser
- ✦ Computerised 12 Channel E C G
- ✦ Computerised Digital (C.R) X-Ray

**Fully Automated Hormone Analyzer (Thyroid)**

## CERTIFICATE

It is certified that **Mr.S.Matheshwaran**  
**Bsc Biotechnology**, Department of  
Biotechnology, Islamiah college  
(Autonomous) ,Vaniyambadi, performed  
the **Internship training on medical lab  
technique from 06.07.2022 to  
20.07.2022** the total internship duration  
successfully completed is 90 hours.

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
**Mr. K.VENKATACHALAM** DMET DPT DMST  
**POPULAR HITECH DIAGNOSTIC**  
**LABORATORY & X RAY ECG**  
#3-K, Lathip Sahib St, Police Station Backside  
ALANGAYAL, Vellore Dt.-635 701.  
Cell: 9952576166, PH: 04174-265166  
Email: popularxraylab@gmail.com



# CERTIFICATE

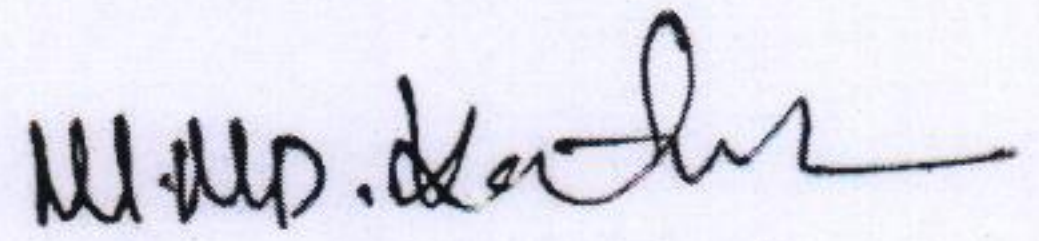
This is to certify that the report of the internship training in **HEMATOLOGY (31120U16026)** at **POPULAR HITECH DIAGNOSTICS LABORATORY** submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

**S. MATHESHWARAN (31120U16026)**

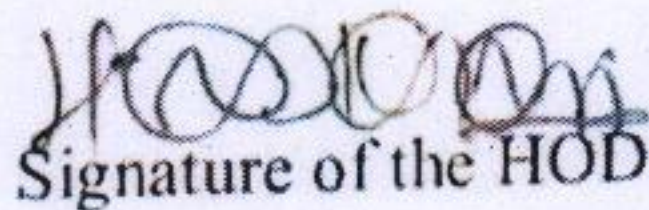
During the period from **06-07-2022** to **20-07-2023** (90 hours) of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635752 under my supervision and guidance and the report has not formed the basis for the award of any Degree/ Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

Date: 05/05/2023

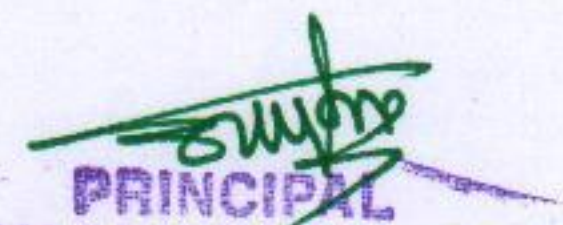


Signature of the Guide



Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**



**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. ASIF. Y, register no. 31120U16008, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment ✓
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE


This is to certify that the report of the internship training in **EFFLUENT OF WASTE WATER TREATMENT IN TANNERIES BIOLOGICAL METHIOD** at **VANI TECH** Private limited company in Valayampet in Vaniyambadi submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

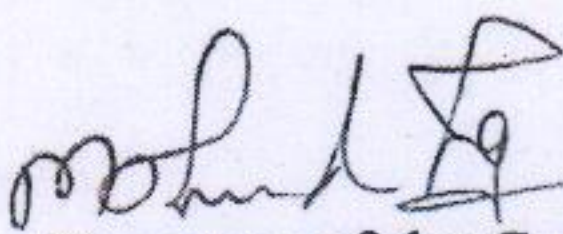
1. **Y.ASIF** (31120U16008)
2. **V.DINESH** (31120U16015)
3. **P.SANTHOSH** (31120U16044)
4. **V.SARAVANAN** (31120U16045)

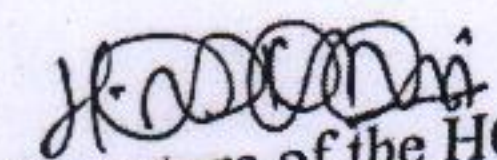
during the period from 2022 to 2023 (90 hours) of their study in the **Department of Biotechnology**. Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi

Date :05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide  
**Dr.N.P.M. MOHAMED TARIO**  
M.Sc., M.Phil., Ph.D., PGDCA., DQA.  
Assistant Professor  
Department of Biotechnology  
Islamiah College  
Vaniyambadi-635 752, Tamil Nadu

  
Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. BHARATH KUMAR. M, register no. 31120U16010, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation ✓
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE

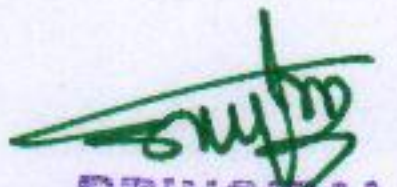
This is to certify that the report of the internship training in “**DISTILLATION AND RO FILTRATION OF WASTEWATER**” at Vanitec, Valiyambatiu, Vaniyambadi submitted to the Department of **BIO TECHNOLOGY**, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in **BIO TECHNOLOGY** is a record of undergone training of the following students

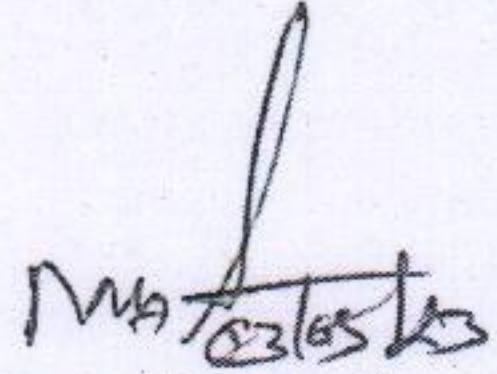
<b>BHARATH KUMAR</b>	<b>M</b>	<b>31120U16010</b>
<b>POOVARASAN</b>	<b>R</b>	<b>31120U16039</b>
<b>PRASANTH</b>	<b>S</b>	<b>31120U16040</b>

during the period from 04/07/2022 to 18/07/2022 (90 hours) of their study in the Department of Bio Technology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

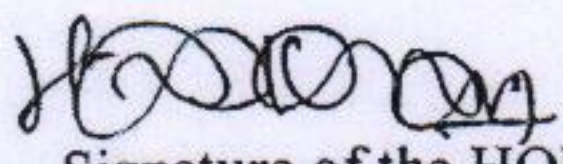
Place :Vaniyambadi

Date :

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide

**Dr. M.A. FAROOK, M.Sc., Ph.D.**  
Assistant Professor  
Department of Biotechnology  
**ISLAMIAH COLLEGE (Autonomous)**  
Vaniyambadi-635 752.Tpt. Dist.T.N.

  
Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. CHANDAR PAUL. R, register no. 31120U16011, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique. ✓

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE


This is to certify that the report of the internship training in "Thermal Evaporation of Solid Waste" at Vanitech submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

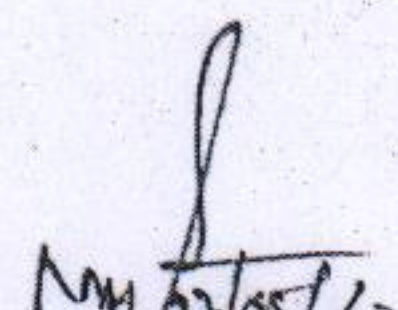
CHANDAR PAUL	R	(31120U16011)
SURESH KUMAR	E	(31120U16046)
HARI	A	(31120U16052)


During the period from 2021 to 2022 (90 hours) of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree/ Diploma / Associate ship /Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

Date: 03/05/2022

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the Guide  
Dr. M.A. FAROOK, M.Sc., Ph.D.  
Assistant Professor  
Department of Biotechnology  
ISLAMIAH COLLEGE (Autonomous)  
Vaniyambadi-635 752.Tpt. Dist.T.N.

  
Signature of the HOD  
HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B12N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. DINESH. V, register no. 31120U16015, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment ✓
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE

This is to certify that the report of the internship training in **EFFLUENT OF WASTE WATER TREATMENT IN TANNERIES BIOLOGICAL METHIOD** at **VANI TECH** Private limited company in Valayampet in Vaniyambadi submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.


1. V.DINESH (31120U16015)
2. Y.ASIF (31120U16008)
3. P.SANTHOSH (31120U16044)
4. V.SARAVANAN (31120U16045)

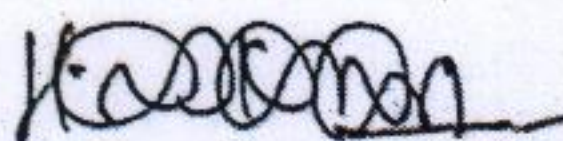
during the period from 2022 to 2023 (90 hours) of their study in the **Department of Biotechnology**, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi

Date :05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
**Signature of the Guide**  
**M.Sc. M.Phil. Ph.D. PGDCA, COA,**  
**Department of Biotechnology**  
**Islamiah College**  
**Vaniyambadi - 635 752**

  
**Signature of the HOD**  
**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. GANESAN. S, register no. 31120U16020, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.





## CERTIFICATE



This is to certify that the report of the internship training in **EFFLUENT TREATMENT IN VANITEC, VANIYAMBADI (PHYSIC-CHEMICAL METHODS)** (4) at **VANITEC LIMITED** submitted to the Department of, **BIOTECHNOLOGY** Islamiah College (Autonomous), Vaniyambadi in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in **BIOTECHNOLOGY** is a record of undergone training of the following students

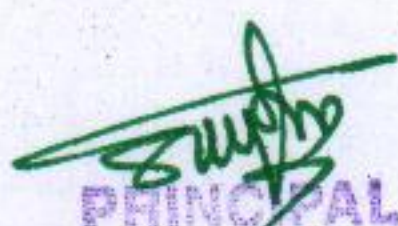
GANESAN S	31120U16020
GNANASEKAR G	31120U16021
MOHAN S	31120U16033
VIJAYAN S	31120U16050

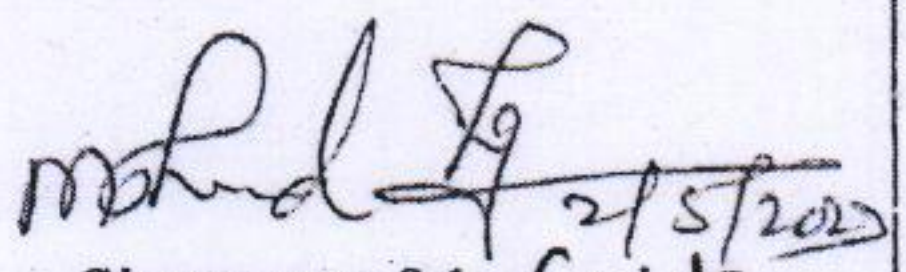
During the period from 2022 to 2023 (90 hours) of their study in the Department of **BIOTECHNOLOGY**, Islamiah College (Autonomous), Vaniyambadi 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other similar titles to any candidate of any University.

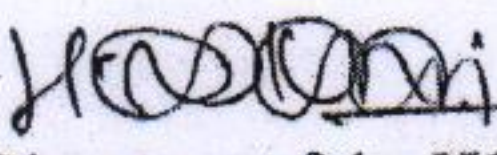
Place : Vaniyambadi

Guide

Date : 05-05-2023

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the Guide  
**DR. N.P.M. MOHAMED TARIO**  
M.Sc., M.Phil., Ph.D., PGDCA., DQA,  
Assistant Professor  
Department of Biotechnology  
Islamiah College  
Vaniyambadi-635 752, Tamil Nadu

  
Signature of the HOD  
**HEAD**  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTIN: 33AAACT2497212N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. GNANASEKAR. G, register no. 31120U16021, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.





## CERTIFICATE



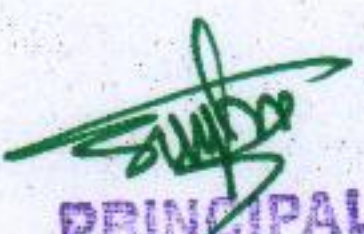
This is to certify that the report of the internship training in **EFFLUENT TREATMENT IN VANITEC, VANIYAMBADI (PHYSIC-CHEMICAL METHODS) (4)** at **VANITEC LIMITED** submitted to the Department of, **BIOTECHNOLOGY** Islamiah College (Autonomous), Vaniyambadi in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in **BIOTECHNOLOGY** is a record of undergone training of the following students

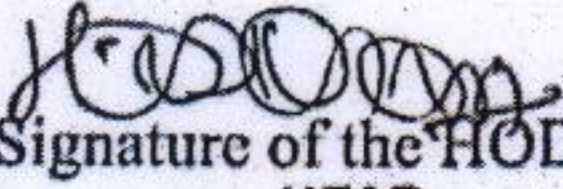
<b>GNANASEKAR</b>	<b>311 20U16021</b>
<b>GANESAN S</b>	<b>311 20U16020</b>
<b>MOHAN S</b>	<b>311 20U16033</b>
<b>VIJAYAN S</b>	<b>311 20 U16050</b>

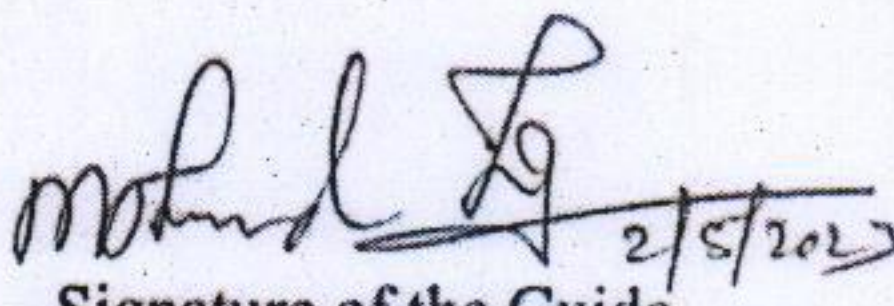
during the period from 2022 to 2023 (90 hours) of their study in the Department of **BIOTECHNOLOGY**, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi

Date : 05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the HOD  
**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**

  
Signature of the Guide  
**DR. N.P.M. MOHAMED TARIQ**  
M.Sc., M.Phil., Ph.D., PGDCA, DQA.  
Assistant Professor  
Department of Biotechnology  
Islamiah Coll. of  
Vaniyambadi-635 752. Tamil Nadu





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. MOHAN. S, register no. 31120U16033, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

We're wishing him a good luck for bright and prosperous future.

For Vanitec Limited

Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.





## CERTIFICATE



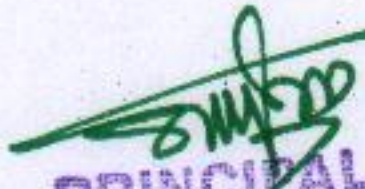
This is to certify that the report of the internship training in **EFFLUENT TREATMENT IN VANITEC, VANIYAMBADI (PHYSIC-CHEMICAL METHODS)** (4) at **VANITEC LIMITED** submitted to the Department of, **BIOTECHNOLOGY** Islamiah College (Autonomous), Vaniyambadi in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in **BIOTECHNOLOGY** is a record of undergone training of the following students

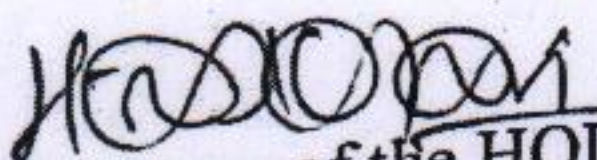
MOHAN S	311 20U16033
GNANASEKAR G	311 20U16021
GANESAN. S	31120U16020
VIJAYAN S	311 20 U16050

During the period from 2022 to 2023 (90 hours) of their study in the **Department of BIOTECHNOLOGY**, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other similar titles to any candidate of any University.

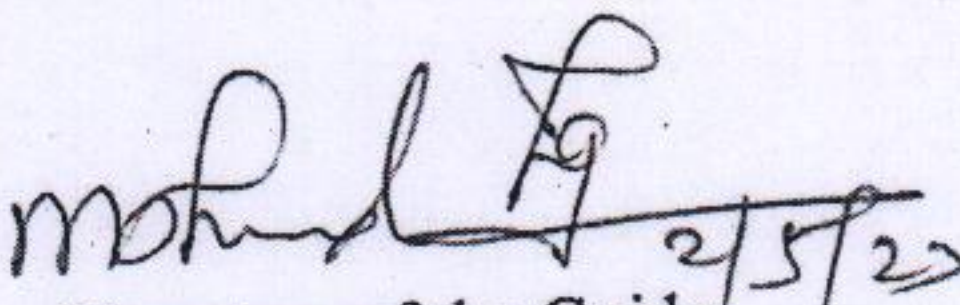
Place : Vaniyambadi

Date : 05-05-2023

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the HOD

HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.

  
Signature of the Guide  
Dr. N. P. M. MOHAMED TARIQ  
M.Sc., M.Phil., Ph.D., PGDCA., DQA,  
Assistant Professor  
Department of Biotechnology  
Islamiah College  
Vaniyambadi-635 752, Tamil Nadu





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497812N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. POOVARASAN. R, register no. 31120U16039, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation ✓
4. Thermal evaporator for dissolved solids and liquid segregation technique.

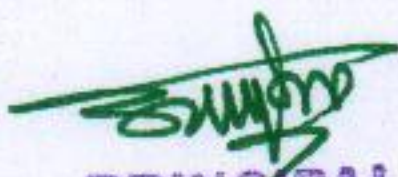
During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



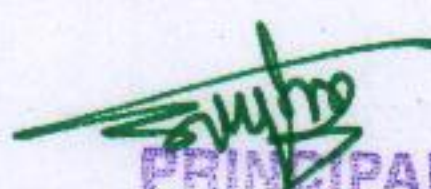
## CERTIFICATE

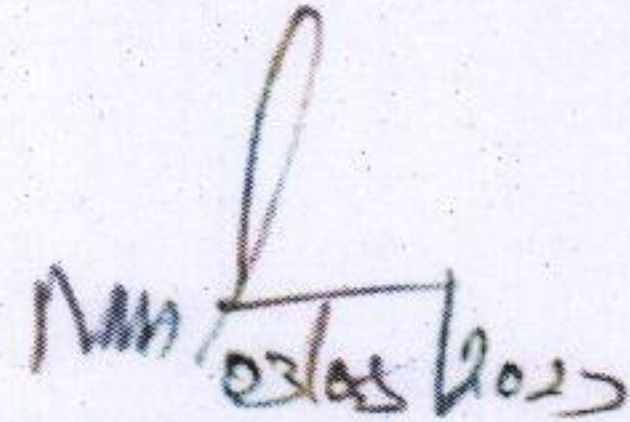
This is to certify that the report of the internship training in "DISTILLATION AND RO FILTRATION OF WASTEWATER" at Vanitec, Valiyambatiu, Vaniyambadi submitted to the Department of BIO TECHNOLOGY, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in BIO TECHNOLOGY is a record of undergone training of the following students

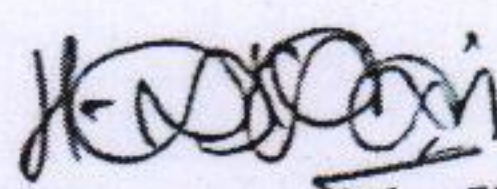
POOVARASAN R 31120U16039  
BHARATH KUMAR M 31120U16010  
PRASANTH S 31120U16040

during the period from 04/07/2022 to 18/07/2022 (90 hours) of their study in the Department of Bio Technology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi Date

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the Guide  
Dr. M.A. FAROOK, M.Sc., Ph.D.  
Assistant Professor  
Department of Biotechnology  
ISLAMIAH COLLEGE (Autonomous)  
Vaniyambadi-635 752.Tpt. Dist.T.N.

  
Signature of the HOD  
HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS),  
VANIYAMBADI-635 752.





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B12N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. PRASANTH. S**, register no. 31120U16040, III year B.Sc., Bio Technology student of "**ISLAMIAH COLLEGE (AUTONOMOUS)**" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation ✓
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



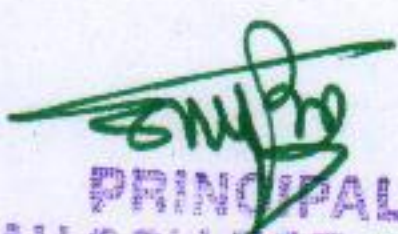
## CERTIFICATE


This is to certify that the report of the internship training in "DISTILLATION AND RO FILTRATION OF WASTEWATER" at Vanitec, Valiyambatiu, Vaniyambadi submitted to the Department of BIO TECHNOLOGY, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in BIO TECHNOLOGY is a record of undergone training of the following students

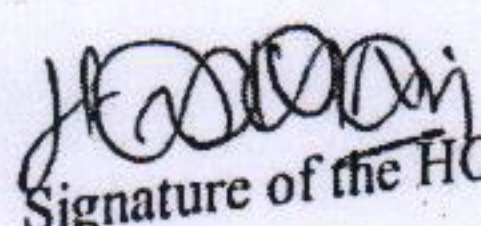
PRASANTH	S	31120U16040
BHARATH KUMAR	M	31120U16010
POOVARASAN	R	31120U16039

during the period from 04/07/2022 to 18/07/2022 (90 hours) of their study in the Department of Bio Technology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi Date

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the Guide  
Dr. M.A. FAROOK, M.Sc., Ph.D.  
Assistant Professor  
Department of Biotechnology  
ISLAMIAH COLLEGE (Autonomous)  
Vaniyambadi-635 752.Tpt. Dist. Tirunelveli

  
Signature of the HOD  
HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Catchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19115TN 1986 PLCD 13155

ESTIN: 33AAACT2497B12N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. SANTHOSH. P, register no. 31120U16044, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment ✓
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

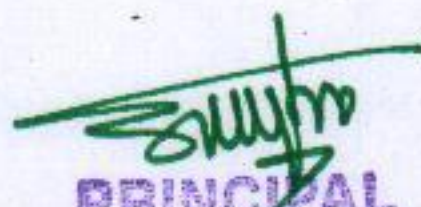
During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE

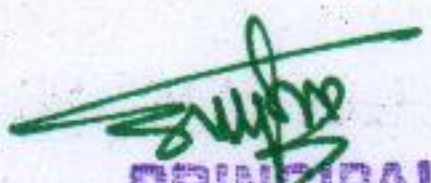
This is to certify that the report of the internship training in **EFFLUENT OF WASTE WATER TREATMENT IN TANNERIES BIOLOGICAL METHOD** at **VANI TECH** Private limited company in Valayampet in Vaniyambadi submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

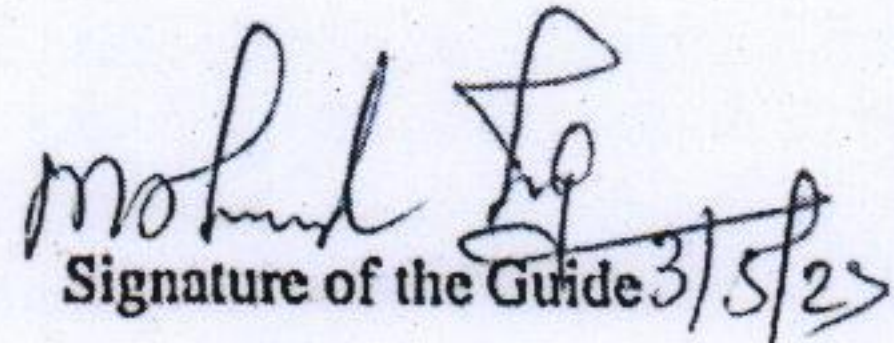
1. P.SANTHOSH (31120U16044)
2. Y.ASIF (31120U16008)
3. V.DINESH (31120U16015)
4. V.SARAVANAN (31120U16045)

during the period from 2022 to 2023 (90 hours) of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

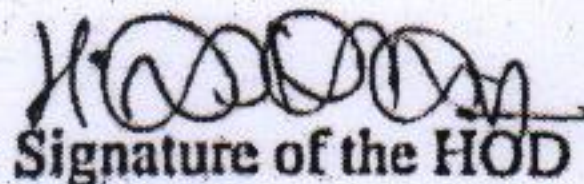
Place : Vaniyambadi

Date : 05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide 31/5/23

**Dr.N.P.M. MOHAMED TARIO**  
M.Sc., M.Phil., Ph.D. PGDCA., DQA.  
Assistant Professor  
Department of Biotechnology  
Islamiah College  
Vaniyambadi-635 752, Tamil Nadu

  
Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# VANITEC LIMITED

Common Effluent Treatment Plants for Tanneries  
183 Cutchery Road Extension Valiyampet, Vaniyambadi - 631 251

GSTIN 33AAACT2491B1274

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. SARAVANAN. V, register no. 31120U16045, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment ✓
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE

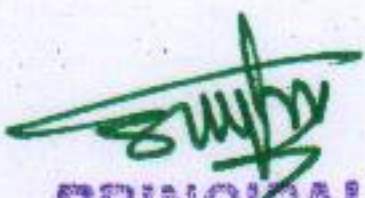
This is to certify that the report of the internship training in **EFFLUENT OF WASTE WATER TREATMENT IN TANNERIES BIOLOGICAL METHIOD** at **VANI TECH** Private limited company in Valayampet in Vaniyambadi submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

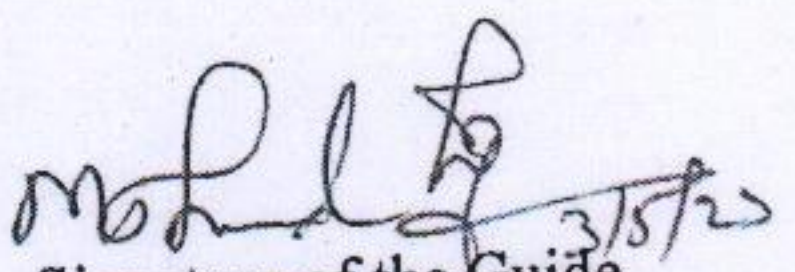
1. V.SARAVANAN (31120U16045)
2. Y.ASIF (31120U16008)
3. V.DINESH (31120U16015)
4. P.SANTHOSH (31120U16044)

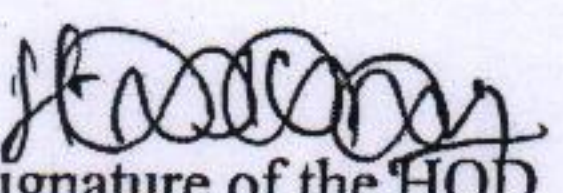
during the period from 2022 to 2023 (90 hours) of their study in the Department of Biotechnology. Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar titles to any candidate of any University.

Place : Vaniyambadi

Date :05-05-2023

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide  
**Dr.N.P.M. MOHAMED TARIQ**  
M.Sc., M.Phil., Ph.D., PGDCA., DOA.  
Assistant Professor  
Department of Biotechnology  
Islamiah College  
Vaniyambadi-635 752, Tamil Nadu

  
Signature of the HOD  
**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497B1ZN

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. SURESHKUMAR. E**, register no. 31120U16046, III year B.Sc., Bio Technology student of "**ISLAMIAH COLLEGE (AUTONOMOUS)**" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



## CERTIFICATE

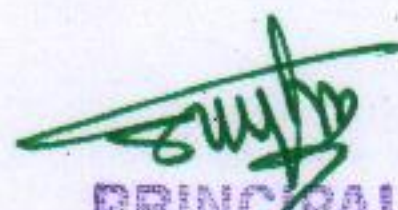
This is to certify that the report of the internship training in "Thermal Evaporation of Solid Waste" at Vanitech submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

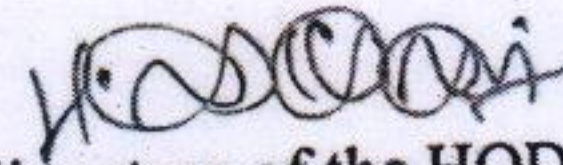
SURESHKUMAR E	(31120U16046)
CHANDAR PAUL R	(31120U16011)
HARI A	(31120U16052)

During the period from 2021 to 2022 (90 hours) of their study in the Department of Biotechnology. Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree/ Diploma / Associate ship /Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

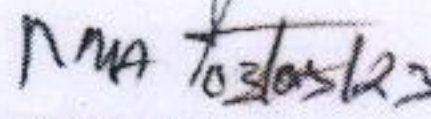
Date: 03/05/2023

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the HOD

HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.

Signature of the Guide

  
Dr. M.A. FAROOK, M.Sc., Ph.D.  
Assistant Professor  
Department of Biotechnology  
ISLAMIAH COLLEGE (Autonomous)  
Vaniyambadi-635 752.Tpt. Dist.T.N.





# VANITEC LIMITED

Common Effluent Treatment Plants For Tanneries  
183 Cutchery Road Extension Valayampet, Vaniyambadi 635 751

CORPORATE IDENTITY NO.: U19119TN 1986 PLCO 13155

GSTN: 33AAACT2497812N

18 July 2022

## INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. VIJAYAN. S, register no. 31120U16050, III year B.Sc., Bio Technology student of "ISLAMIAH COLLEGE (AUTONOMOUS)" Vaniyambadi has successfully completed the internship program for a period of fifteen days from 04 July 2022 to 18 July 2022 in our Common Effluent Treatment Plant.

The student was given intensive training in the following areas:

1. Physic-chemical treatment
2. Biological treatment
3. Desalination / RO plant operation
4. Thermal evaporator for dissolved solids and liquid segregation technique.

During the tenure of his internship program, he was very sincere and showed positive attitude towards learning.

Here's wishing him a good luck for bright and prosperous future.

For Vanitec Limited

K. Iqbal Ahmed  
Managing Director



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.





## CERTIFICATE



This is to certify that the report of the internship training in **EFFLUENT TREATMENT IN VANITEC, VANIYAMBADI (PHYSIC-CHEMICAL METHODS)** (4) at **VANITEC LIMITED** submitted to the Department of, **BIOTECHNOLOGY** Islamiah College (Autonomous), Vaniyambadi in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in **BIOTECHNOLOGY** is a record of undergone training of the following students

**VIJAYAN. S**

**31120U16050**

**GNANASEKAR G**

**311 20U16021**

**MOHAN S**

**311 20U16033**


**GANESAN S**

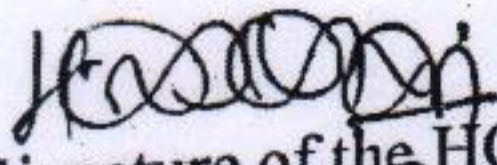
**311 20U16020**

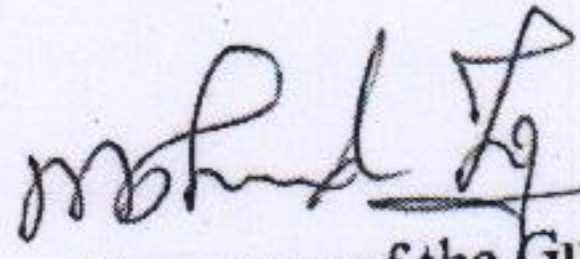
During the period from 2022 to 2023 (90 hours) of their study in the Department of **BIOTECHNOLOGY**, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance and the report has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other similar titles to any candidate of any University.

Place :Vaniyambadi

Date : 05-05-2023

  
PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

  
Signature of the HOD  
HEAD  
DEPARTMENT OF BIOTECHNOLOGY  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI-635 752.

  
Signature of the Guide 21/5/23  
Dr. N. P. M. MOHAMED TARIQ  
M.Sc., M.Phil., Ph.D., PGDCA., DQA.  
Assistant Professor  
Department of Biotechnology  
Islamiah Coll. - 2  
Vaniyambadi-635 752, Tamil Nadu



## INTERNSHIP COMPLETION CERTIFICATE


This is to certify that Mr. SYED AFFAN K, III B.Sc Biotechnology (Reg. No 31120U16002), Islamiah College (Autonomous), Vaniyambadi 635752, Thirupattur District has successfully completed the internship in our organization from 04-07-2022 to 18-07-2022 (15 days covering 90 hours).

The student was given intensive training in the following thrust areas:

1. Clinical Pathology
2. Biochemistry
3. Hematology
4. Serology
5. Microbiology

During his internship, he was very sincere and showed positive attitude towards learning. We wish him the very best in all his future endeavours.

Dated: 18/07/2022



PRINCIPAL  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.



DIRECTOR

Green Lab Clinical Diagnostic Center & ECG, Ambur

### **GREEN LAB CLINICAL DIAGNOSTIC CENTRE & ECG**

No 17, BangiBabbanKollai Street ( Ambur Beedi Street ),  
V A Kareem Road, Ambur – 635802

**LANDMARK : BEHIND NEELIKOLLAI MOSQUE**

Phone : 8610768106 | 6369379991

Mail : [greenlabambur@gmail.com](mailto:greenlabambur@gmail.com)



## CERTIFICATE

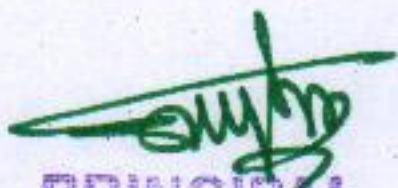
This is to certify that the report of the internship training in **HEMATOLOGY** (RegNo:31120U16002) at Green lab-Ambur submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

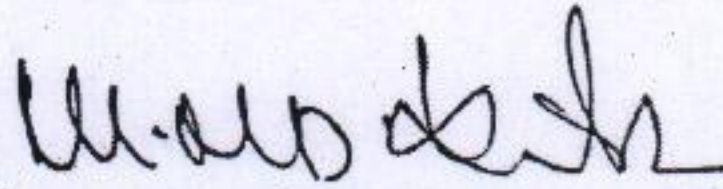
<b>K.AFFAN</b>	<b>311 20U16002</b>
<b>B.AMEEN BASHA</b>	<b>311 20U16005</b>
<b>A..ARUL KUMAR</b>	<b>311 20U16006</b>
<b>S. ARUN KUMAR</b>	<b>311 20U16007</b>
<b>M.DEEPAK</b>	<b>311 20U16013</b>

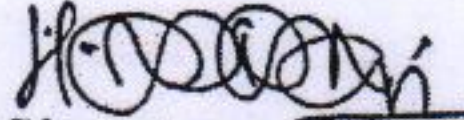
during the period from 2022 to 2023 (90hours) of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance **D.R. M.L. Mohammed Kaleem Arshan** and the report has not formed the basis for the award of any Degree /Diploma / Associateship/ Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

Date:

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide

  
Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**



**INTERNSHIP COMPLETION CERTIFICATE**

This is to certify that Mr. AMEEN BASHA B, III B.Sc Biotechnology (Reg. No 31120U16005), Islamiah College (Autonomous), Vaniyambadi 635752, Thirupattur District has successfully completed the internship in our organization from 04-07-2022 to 18-07-2022 (15 days covering 90 hours).

The student was given intensive training in the following thrust areas:

1. Clinical Pathology
2. Biochemistry
3. Hematology
4. Serology
5. Microbiology

During his internship, he was very sincere and showed positive attitude towards learning.

We wish him the very best in all his future endeavours.

Dated: 18/07/2022

  
**DIRECTOR**

  
**PRINCIPAL**  
ISLAMIAH COLLEGE (AUTONOMOUS)  
VANIYAMBADI - 2.

**Green Lab Clinical Diagnostic Center & ECG, Ambur**

**GREEN LAB CLINICAL DIAGNOSTIC CENTRE & ECG**

to 17, BangiBabbanKollai Street ( Ambur Beedi Street ),

A Kareem Road, Ambur – 635802

LANDMARK : BEHIND NEELIKOLLAI MOSQUE

Phone : 8610768106 | 6369379991

Mail : [greenlabambur@gmail.com](mailto:greenlabambur@gmail.com)



## CERTIFICATE


This is to certify that the report of the internship training in **HEMATOLOGY** (RegNo:31120U16005) at Green lab-Ambur submitted to the Department of Biotechnology, Islamiah College (Autonomous), in partial fulfilment of the requirements for the award of the Degree of Bachelor of Science in Biotechnology is a record of undergone training of the following students.

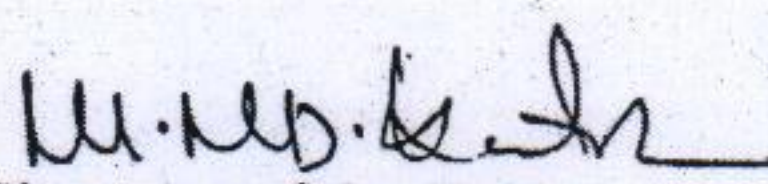
<b>B. AMEEN BASHA</b>	<b>311 20U16005</b>
<b>K. AFFAN</b>	<b>311 20U16002</b>
<b>A..ARUL KUMAR</b>	<b>311 20U16006</b>
<b>S. ARUN KUMAR</b>	<b>311 20U16007</b>
<b>M.DEEPAK</b>	<b>311 20U16013</b>

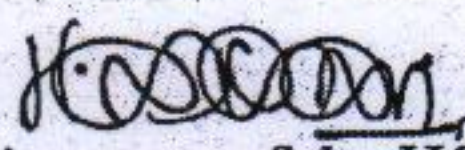
during the period from 2022 to 2023 (90hours) of their study in the Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi – 635 752 under my supervision and guidance **D.R. M.L. Mohammed Kaleem Arshan** and the report has not formed the basis for the award of any Degree /Diploma / Associateship/ Fellowship or other similar titles to any candidate of any University.

Place: Vaniyambadi

Date:

  
**PRINCIPAL**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI - 2.**

  
Signature of the Guide

  
Signature of the HOD

**HEAD**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**ISLAMIAH COLLEGE (AUTONOMOUS)**  
**VANIYAMBADI-635 752.**