

Creintors Automation Solutions Pvt.Ltd.

An Integrated Management System Certified Company
(Aligned with ISO 9001, 14001, 27001 and 45001)

Ref No: CASPL/IL/06/06/2022



Date:03/06/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Amogh Sutar, USN : 01FE18BAR005, Studying in IVth Year BE in Automation & Robotics from KLE Technological University, Hubli-580031. He has Successfully completed his Internship Training under the guidance of Mrs. Disha Chougule, Assistant Manager Software, on "Programming, Control & Communication in Industrial Automation Systems" and also completed the project on Automation of Vertical Storage System, at Creintors Automation Solutions Pvt Ltd, Waghawade Road, Waghawade- Belgaum-590018 from 17th January 2022 to 03rd June 2022.

During the period of his internship with us, we found him sincere, hardworking and a quick learner.

We wish him all the best in his future endeavor.

With Regards

For Creintors Automation Solutions Pvt. Ltd.

Authorised Signatory



Plot No-2, Survey No. 22/3, Waghawade Road, Waghawade, Belgaum 590018 Karnataka, India.

Mob: +91 77950 00801 | E-mail: sales@cautomate.com | Website: www.cautomate.com

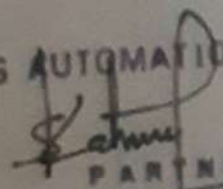
CIN No. U29266KA2017PTC101599

NEX-G
AUTOMATION

NEX-G AUTOMATION LLP

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. NAKUL SINGH HAJERI**, student of 8th Semester, department of Automation and Robotics, **KLE Technological University Hubballi**, bearing Reg No **01FE17BAR033**, has successfully completed Internship project on **"WAREHOUSE MANAGEMENT USING RFID TAGS"**, from 10th January 2022 - 31st may 2022, as part of the internship training, he has been placed in the Design and Development team and involved in relative activity of the project. During the internship with us he was found punctual, hardworking and inquisitive.

For NEX-G AUTOMATION LLP

PARTNER.
Authorised Signature

CIN: U29304KA2017PTC106542

GSTIN: 29AAFNC7862H1ZY

Date: June 3, 2022

To

Name: Haripriya Jagadeesh

Designation: Robotics Intern

Nymble Labs Private Limited, Bangalore

Subject: Experience and Relieving Letter

Dear Haripriya,

This is to hereby confirm that you were an employee of Nymble Labs Private Limited from January 17, 2022, to May 31, 2022. This is also to confirm that your designation at the time of being relieved from the services of Nymble Labs Private Limited was 'Robotics Intern' and you were involved in designing and developing electromechanical systems, including PCBs & mechanical testing jigs and other associated duties.

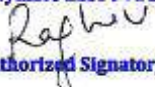
We would like to place on record the high levels of professionalism, sincerity, and dedication displayed by you over the duration of your association with Nymble Labs Private Limited and believe that you shall be a value addition to whichever organization you decide to join in the future.

Further to this, we would also like to remind you about the terms of the Internship Agreement signed by you. You shall continue to be bound by all terms of the agreement for the specified period post termination of your employment, including the conditions of confidentiality and other relevant terms.

We would also hereby like to put on record that your termination from employment has been processed subject to your resignation request. As per your request, you have been relieved from your duties effective immediately. We also confirm that all your dues and final settlement has been cleared.

We wish you the very best for all your future endeavors and projects!

For and on behalf of Nymble Labs Private Limited

For Nymble Labs Pvt. Ltd.

Authorized Signatory

Raghav Gupta
Chief Executive Officer
Nymble Labs Private Limited

L&T-TS HR/99007682

18 May 2022

Mr.Malhar Kulkarni

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007682**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance

26 May 2022

CERTIFICATE

This is to certify that Miss Phalguni Puranik (USN No. 01FEI8BAR050) a student of VIII Semester, BE Automation and Robotics from KLE Technological University,Hubballi has successfully completed her in-plant training/project in our organization during 07.02.2022 to 26.05.2022 on the topic of the project is **"Auto grinding and finishing"**.

We wish all the best for her future endeavors.

For Kirloskar Ferrous Industries Limited



Santibhusan Das

Senior Manager-Training & Development

Creintors Automation Solutions Pvt.Ltd.

An Integrated Management System Certified Company
(Aligned with ISO 9001, 14001, 27001 and 45001)

Ref No: CASPL/L/09/06/2022



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Siddhant Havalad, USN : 01FE18BAR053, Studying In IVth Year BE In Automation & Robotics from KLE Technological University, Hubli-580031. He has Successfully completed his Internship Training under the guidance of Mrs. Disha Chougule, Assistant Manager Software, on "Programming, Control & Communication in Industrial Automation Systems" and also completed the project on Automation of Vertical Storage System, at Creintors Automation Solutions Pvt Ltd, Waghawade Road, Waghawade- Belgaum-590018 from 17th January 2022 to 03rd June 2022.

During the period of his internship with us, we found him sincere, hardworking and a quick learner.

We wish him all the best in his future endeavor.

With Regards

For Creintors Automation Solutions Pvt. Ltd.

Authorised Signatory



Plot No-2, Survey No. 22/3, Waghawade Road, Waghawade, Belgaum 590018 Karnataka, India.

Mob: +91 77950 00801 | E-mail: sales@cautomate.com | Website: www.cautomate.com

CIN No. U29266KA2017PTC101599



TANTRA AUTOMATIONS

C-14, 7th Cross, KSSIDC Ind. Area, Gamangatti, HUBBALLI-580 025
Telefax : 0836 - 2207276 E-mail : tantraautomotions@gmail.com

Date: 26.05-2022

INTERNSHIP CERTIFICATE

This is to certify that Mr/Mrs. MUHAMMED ALQAMAH HUSLQOL
has successfully completed an internship in the field of _____
INDUSTRIAL AUTOMATIONS
From 10-01-2022 to 10-05-2022 under the guidance of VINAYAK.H.TALWAR.

During the period of her/ his internship program with us, she/he had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish her/ him every success in her/his life and career.



Your Sincerely

For Tantra Automations

L&T-TS HR/99007612

18 May 2022

Mr.Abdul Haq Indikar

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007612**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance

L&T-TS HR/99007621

18 May 2022

Mr.K A AMIRA SOHAIL

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007621**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance

L&T-TS HR/99007622

18 May 2022

Mr.ASHWIN CHANDAPUR

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007622**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance

Desapex Engineering Consultants LLP

Jayanagar, Bangalore

Mail: shreedhar@desapex.com

Phone: +91-8217658157

www.desapex.com



MAY 28, 20

To whomsoever it may concern

This is to certify that **Ms. Ayesha Nagnoor (USN 01FE18BAR012)** was a **Digital Engineering intern** at our organisation from **January 2022 to May 2022**.

During this period at the organization, we found her to be hard working and a quick learner. We wish her all the success in her future endeavours.

This letter has been issued on her request on completion of the internship.

Yours Sincerely,

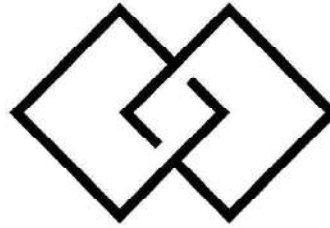


Shreedhar Hungund

Desapex Engineering Consultants LLP



KLE Technological
University
Creating Value
Leveraging Knowledge



KLE Tech.
CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Bhumika A. Kulkarni

has completed a Training and Project work in

Tyre Wear Measurement System - VRL Logistics Ltd.

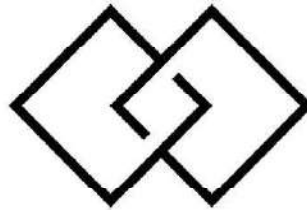
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



KLE Technological
University
Creating Value
Leveraging Knowledge



KLE Tech.
CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Ranjeet R. Shingade

has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
at KLE Tech's Center for Automation Systems Engineering (CASE),
for the period of 6 Months starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering

17th June 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Samatha V** from KLE Technological University has completed "Internship" on "Geared Motor Test Jig with Rated Load" from 10.01.2022 to 17.06.2022 She was guided by Mr. Sriram H.S, Manager - Process Engineering. We wish her success in all her future endeavors.

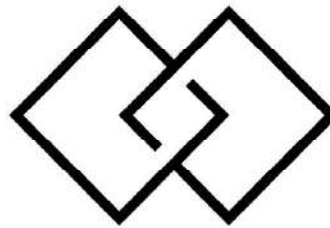
Skannray Technologies Ltd



Chief Operating Officer



KLE Technological
University
Creating Value
Leveraging Knowledge



KLE Tech.
CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Shreyas B. N

has completed a Training and Project work in

Autonomous Mobile Robot with Manipulator - VRL Logistics Ltd.

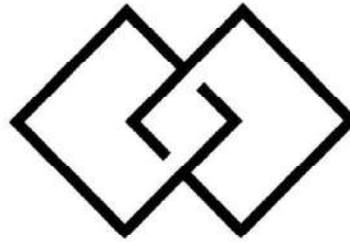
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



KLE Technological
University
Creating Value
Leveraging Knowledge



KLE Tech.
CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Ganesh Reddy

has completed a Training and Project work in

Autonomous Mobile Robot with Manipulator - VRL Logistics Ltd.

at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



Farmercoin Smart Robotic Solutions
(OPC) Pvt Ltd.
Start-up street, 1st Floor,
R H Kulkarni Building
KLE technological University.
Vidyanagar, Hubli.
580031

CERTIFICATE

This is to certify that **Mr Junaid Ahmed USN: 01FE15BAR020** student of **Bachelor of Engineering, KLE Technological University, Hubballi** has successfully completed his Internship training on **Data Analysis** in our organization from **1st February 2022 to 31st May 2022**.

He took keen interest in the work assigned to him. His conduct and behavior was found good.

We wish him all success in his future endeavors.

Date: 31st May 2022

Name:

Name:

Signature:

Signature:

(Mentor)

(Head of Organization)



08th July 2022

CERTIFICATE

This is to certify the project work on “**Synthetic eCal generation framework – based on physical camera modelling and aligned vehicle dynamics**” which was carried out by **Ms. Amogha T S** (Student ID: 01FE18BAR006), a bona fide student of KLE Technological University, Hubballi, Karnataka from **10th January 2022 to 8th July 2022.**

The work was carried under the supervision of **Mr. Soumen Bhowmick, Manager - AM CE ENG.** This project was completed in line with the defined requirement. During the above training period with us, we found Ms. Amogha T S to be sincere, hardworking and result oriented.

We wish her all the success in his future endeavors and career ahead.

A handwritten signature in blue ink, reading "Mamta Joshi", with a long horizontal line extending to the right.

Mamta Joshi

Head HR - Technical Center India

Continental Automotive Components (India) Pvt. Ltd.
Sattva South Gate Tech Park, Plot No.1, Veerasandra Industrial Area,
Hosur Main Road, Bangalore 560 100

Phone +91 80 6679 1300
Corporate Identity No. U72900KA2007PTC043146
GSTIN: 29AAKCS9578C1ZP
www.continental.com

Regd. Office: Plot No.53B, Bommasandra Industrial Area, Hosur Road, Attibele Hobli, Anekal Taluk, Bangalore -560099, India

31st May 2022

To Whomsoever It May Concern

This is to certify that Miss. Anjali Chavan was associated with HDASquare Industries private Limited from 10th January 2022 to 31st May 2022 as a Student Trainee Intern.

In the course of the internship Anjali Chavan had worked with SQUAROTIX - business vertical of HDASquare Industries private Limited on the following topic:

- **Study and Development of Smart Basket**

During the internship period Anjali Chavan had shown sincere and dedicated attitude in carrying out tasks.

We wish you all the best for your future endeavours.

Thanking You,

From HDASquare Industries Private Limited.



Aniket Zende

Project Manager



Ashish Patil

HR Manager



Durvankur Sankpal

Managing Director

31st May 2022

To Whomsoever It May Concern

This is to certify that Miss. Dakshaja Inamdar was associated with HDASquare Industries private Limited from 10th January 2022 to 31st May 2022 as a Student Trainee Intern.

In the course of the internship Dakshaja Inamdar had worked with SQUAROTIX - business vertical of HDASquare Industries private Limited on the following topic:

- **Study and Development of Smart Basket**

During the internship period Dakshaja Inamdar had shown sincere and dedicated attitude in carrying out tasks.

We wish you all the best for your future endeavours.

Thanking You,

From HDASquare Industries Private Limited.



Aniket Zende

Project Manager



Ashish Patil

HR Manager



Durvankur Sankpal

Managing Director

31st May 2022

To Whomsoever It May Concern

This is to certify that Mr. Shubham Mahajan was associated with HDASquare Industries private Limited from 10th January 2022 to 31st May 2022 as a Student Trainee Intern.

In the course of the internship Shubham Mahajan had worked with SQUAROTIX - business vertical of HDASquare Industries private Limited on the following topic:

- **Study and Development of Smart Basket**

During the internship period Shubham Mahajan had shown sincere and dedicated attitude in carrying out tasks.

We wish you all the best for your future endeavours.

Thanking You,

From HDASquare Industries Private Limited.



Aniket Zende
Project Manager



Ashish Patil
HR Manager



Durvankur Sankpal
Managing Director

L&T-TS HR/99007753

18 May 2022

Mr.Shubham Mugall

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007753**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,



Ashwin J
Senior Manager – HR Employee Relations & Compliance



15th June 2022

CERTIFICATE

This is to certify that Ms. Laxmi Shashikant Kole - student of automation robotics, KLE Institute of technology has successfully completed six month long internship at Technicious Technology Services Pvt Ltd. During her internship she was part of the Team which was responsible for developing HIMS system.

✓ Project: Healthcare Information Management System

Technologies Used: Django(Python Framework, React Js)

The candidate was found to be enthusiastic, hardworking and a quick learner during her short stint at Technicious Technology Services. Her performance has been assessed as excellent.

We wish her every success in her life and career.

For Technicious Technology Services private Ltd.

Sabareesan Sankaran

Director

Technicious Technology Services

R.S No 182/5 A-7, Evergreen homes, Nagala Park, Kolhapur, Maharashtra - 416003

To whom it may concern

This is to certify that Mr. Poornaditya Mishra has completed his internship training and project with us at Nymble Labs from 10 January 2022 to 3 June 2022.

During the course of his internship, he was found to be diligent and hard-working and demonstrated sheer focus and dedication to his work. He understood the assignments quickly and was sincere and attentive during the training as well as during his project.

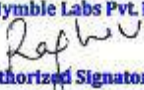
His project area revolved mainly around the domain of robotics and systems engineering. His project and training allowed him to gain an in-depth knowledge followed by hand-on learning in the following domains, and many more:

- System design and optimisation
- System validation and verification
- Industry standards for system tests
- Understanding the structure of PCBs and circuits
- Creating schematics and PCBs from the schematics
- Time management and teamwork
- Implementation of Agile methodology and OKRs

His association with us was very fruitful and we wish him the best for his future endeavors.

Thank you

For and on behalf of Nymble Labs Private Limited

For Nymble Labs Pvt. Ltd.

Authorized Signatory

Raghav Gupta
Chief Executive Officer
Nymble Labs Private Limited

CERTIFICATE OF INTERNSHIP

This is to certify that Mr. Kolli Venkata Siva Sai Prathyush has undergone Internship with Difacto Robotics and Automation Pvt Ltd from the 17th January 2022 to 25th May 2022.

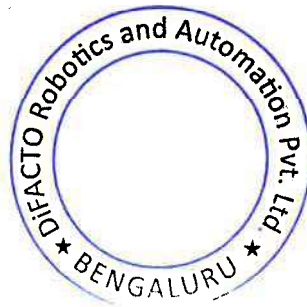
As part of the In-Plant Training, he underwent the following:

1. Basic about PLC Hardware and its component
 - Introduction to Mitsubishi PLC
 - Study and selection of Electrical components
 - Hands-on experience – PLC programming in Q & FX series
 - Configuring Mitsubishi Servo drive parameters
 - Configuring Area Scanner & Magnetic Sensor
2. Understanding the
 - Basics of PLC programming (GXWORKS2) & (GX WORKS3)
 - Basics of Servo Drives
 - HMI Screen Design (J MOBILE Studio 4.0)
 - Electrical Drawing (ARES STANDARD)
3. Understanding the basics of Mobile Robot Solution addressing the various industrial Processes.
4. Participate for Programming of AGV Error band logic and PID trials

Sincerely,

For DiFACTO Robotics and Automation Pvt. Ltd.,

Air Cmde Sudhakar KS (Retd)
General Manager – Corporate Functions





Ref No: HR/TRG/SI-DWD/21-22/007

25.05.2022

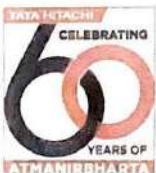
To Whom So Ever It May Concern

This is to certify that Mr. Punit Mahajan (USN: 01FE18BAR029) a student of final year B.E Automation & Robotics at KLE Technological University, Hubli, has successfully completed his internship at our Plant from 10.01.2022 to 10.05.2022 under the guidance of Mr. Sachin Hunashikatti & submitted a project report on "Migration from Manual Tightening to Automation".

His overall performance and conduct during the internship was **Very Good**.

We wish him all success for the future.

HRD



Tata Hitachi Construction Machinery Company Private Limited

(Formerly Known as Tata Hitachi Construction Machinery Company Limited)

Block No.2, KIADB, Belur Industrial Estate, Garag Road, Mummigatti, Dharwad - 580011 INDIA

Telephone : +91 836 2432777 2432555

Registered Office: Jubilee Building | 45 Museum Road | Bengaluru 560 025 India | Telephone +91 80 66953301 02 03 04 05

CIN: U85110KA1998PTC024588 | Email: info@tatahitachi.co.in

Website: www.tatahitachi.co.in |

Desapex Engineering Consultants LLP

Jayanagar, Bangalore

Mail: shreedhar@desapex.com

Phone: +91-8217658157

www.desapex.com



MAY 28, 20

To whomsoever it may concern

This is to certify that **Ms. Rohini Jangalagi (USN 01FE18BAR059)** was a **Digital Engineering intern** at our organisation from **January 2022 to May 2022**.

During this period at the organization, we found her to be hard working and a quick learner. We wish her all the success in her future endeavours.

This letter has been issued on her request on completion of the internship.

Yours Sincerely,



Shreedhar Hungund

Desapex Engineering Consultants LLP

Desapex Engineering Consultants LLP

Jayanagar, Bangalore

Mail: shreedhar@desapex.com

Phone: +91-8217658157

www.desapex.com



MAY 28, 20

To whomsoever it may concern

This is to certify that **Ms. Rohini Jangalagi (USN 01FE18BAR059)** was a **Digital Engineering intern** at our organisation from **January 2022 to May 2022**.

During this period at the organization, we found her to be hard working and a quick learner. We wish her all the success in her future endeavours.

This letter has been issued on her request on completion of the internship.

Yours Sincerely,



Shreedhar Hungund

Desapex Engineering Consultants LLP

Desapex Engineering Consultants LLP

Jayanagar, Bangalore

Mail: shreedhar@desapex.com

Phone: +91-8217658157

www.desapex.com



MAY 28, 20

To whomsoever it may concern

This is to certify that **Ms. Sahana C Phatarpekar (USN 01FE18BAR034)** was a **Digital Engineering intern** at our organisation from **January 2022 to May 2022**.

During this period at the organization, we found her to be hard working and a quick learner. We wish her all the success in her future endeavours.

This letter has been issued on her request on completion of the internship.

Yours Sincerely,



Shreedhar Hungund

Desapex Engineering Consultants LLP

26 May 2022

CERTIFICATE

This is to certify that Miss Ulfath Jahan (USN No. 01FEI8BAR056) a student of VIII Semester, BE Automation and Robotics from KLE Technological University,Hubbali has successfully completed her in-plant training/project in our organization during 07.02.2022 to 26.05.2022 on the topic of the project is “**Auto grinding and finishing**”.

We wish all the best for her future endeavors.

For Kirloskar Ferrous Industries Limited



Santibhusan Das

Senior Manager-Training & Development

E2WAY PRIVATE LIMITEDTM

10-3/45, Satya Sai Krupa Garden, Vithal Nagar, Gulberga, Karnataka, India Pin: -585102 Email: - e2waypvtltd@gmail.com

Date: 10/06/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Bhagya patil has completed her internship and training in Electric two wheeler at E2way Private Limited, Kalaburgi, from 10/01/2022 to 10/06/2022.

She has worked on a project title Electrification of an ICE two wheeler. This project was aimed at converting existing ICE two wheeler into electric two wheelers.

During his/her internship/training she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations and she was able to complete the project on time.

We wish her all the best for his/her upcoming career.

E2way Private Limited

Director

Prajwal Kulkarni

E2WAY PRIVATE LIMITEDTM

10-3/45, Satya Sai Krupa Garden, Vithal Nagar, Gulbarga, Karnataka, India Pin: -585102 Email: - e2waypvtltd@gmail.com

Date: 10/06/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Prasanna Reddy has completed his internship and training in Electric two wheeler at E2way Private Limited, Kalaburgi, from 10/01/2022 to 10/06/2022.

He has worked on a project title Electrification of an ICE two wheeler. This project was aimed at converting existing ICE two wheeler into electric two wheelers.

During his internship/training he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his/her upcoming career.

E2way Private Limited

Director

Prajwal Kulkarni

E2WAY PRIVATE LIMITEDTM

10-3/45, Satya Sai Krupa Garden, Vithal Nagar, Gulbarga, Karnataka, India Pin: -585102 Email: - e2waypvtltd@gmail.com

Date: 10/06/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Shreedhar Reddy has completed his internship and training in Electric two wheeler at E2way Private Limited, Kalaburgi, from 10/01/2022 to 10/06/2022.

He has worked on a project title Electrification of an ICE two wheeler. This project was aimed at converting existing ICE two wheeler into electric two wheelers.

During his internship/training he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his/her upcoming career.

E2way Private Limited

Director

Prajwal Kulkarni



NEX-G AUTOMATION LLP

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. KISHAN UDAY BIJJUR**, student of 8th Semester, department of Automation and Robotics, **KLE Technological University Hubballi**, bearing Reg No **01FE17BAR020**, has successfully completed Internship project on "**WAREHOUSE MANAGEMENT USING RFID TAGS**", from 10th January 2022 - 31st may 2022, as part of the internship training, he has been placed in the Design and Development team and involved in relative activity of the project. During the internship with us he was found punctual, hardworking and inquisitive.

For NEX-G AUTOMATION LLP.

A handwritten signature in black ink, appearing to be "S. Sharma", is written over the printed name "PARTNER".

Authorised Signature

31-05-2022

NEX-G
AUTOMATION

NEX-G AUTOMATION LLP

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr NAGRAJ ANGADI**, student of 8th Semester, department of Automation and Robotics, **KLE Technological University Hubballi**, bearing Reg No **01FE17BAR031**, has successfully completed Internship project on "**WAREHOUSE MANAGEMENT USING RFID TAGS**", from 10th January 2022 - 31st may 2022, as part of the internship training, he has been placed in the Design and Development team and involved in relative activity of the project. During the internship with us he was found punctual, hardworking and inquisitive.

For NEX-G AUTOMATION LLP.

Kannu
PARTNER.

Authorised Signature

www.nexgautomation.com

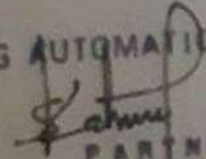
31-05-2022

NEX-G
AUTOMATION

NEX-G AUTOMATION LLP

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. NAKUL SINGH HAJERI**, student of 8th Semester, department of Automation and Robotics, **KLE Technological University Hubballi**, bearing Reg No **01FE17BAR033**, has successfully completed Internship project on **"WAREHOUSE MANAGEMENT USING RFID TAGS"**, from 10th January 2022 - 31st may 2022, as part of the internship training, he has been placed in the Design and Development team and involved in relative activity of the project. During the internship with us he was found punctual, hardworking and inquisitive.

For NEX-G AUTOMATION LLP

PARTNER.
Authorised Signature

www.nexgautomation.com



N-26, Industrial Estate, Gokul Road, HUBLI - 580 030. (India)

Tel. : ++91-836- 2333759, 2330299 Fax : ++91-836- 2330442

E-mail : kcepl@karnatakaconveyors.com • accounts@karnatakaconveyors.com

Web : <http://karnatakaconveyors.com>

CERTIFICATE

This is to certify that Mr. Rohit Chougale (01FE17BAR049) student of KLE Technological University, Vidyanagar- 580 032 was permitted to carry out his Internship in our Company during the period from 10-01-2022 to 31-05-2022 as part of his curriculum. He has shown keen interest in learning and has completed his internship for the said period.

We hope this training course has enabled him to correlate his Class Room Learning with Field exposure.

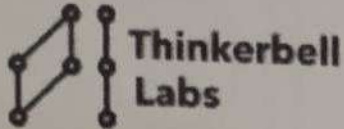
We wish him all the best in his future career.

For KARNATAKA CONVEYORS & SYSTEMS PVT LTD.,

(M.G. NAIK)
Manager Finance & Admn.

Place : Hubli.

Date : 31.05.2022



Thinkerbell Labs Private Limited

CIN: U72900KA2016PTC094046

262, 6th Main Road, Stage 2, BTM Layout, Bengaluru - 560075

+91 9538904328 | contactus@thinkerbelllabs.com

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ankit Shirurmat** has been a part of Thinkerbell Labs Pvt. Ltd. as a **Supply Chain and Manufacturing** from 17th Jan -2022 to 31st May 31 -2022. During this time, he worked on **Quality Assurance, Testing and Procurement** for manufacturing of our product Annie. He successfully completed the project allotted to him along with complete documentation.

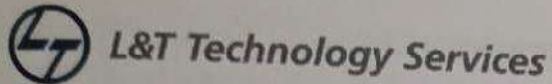
During his internship, Ankit Shirurmat displayed great enthusiasm, skill, willingness to learn and his conduct has been exemplary.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Saif Shaikh", is written over a faint circular stamp. The stamp contains the text "for Thinkerbell Labs Pvt. Ltd." and "Director".

Saif Shaikh
Director, CPO
Thinkerbell Labs Pvt. Ltd.

INTERNSHIP COMPLETION CERTIFICATE



L&T-TS HR/99007640

18 May 2022

Mr.Omkar Chitragar

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID	: 99007640
INTERNSHIP START DATE	: 1 February 2022
INTERNSHIP END DATE	: 13 May 2022
LOCATION	: Mysore

We wish you success in your future endeavours.

Yours Sincerely,
For L&T Technology Services Limited,

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

Ashwin J
Senior Manager – HR Employee Relations & Compliance

8th June 2022

To Whomsoever it May Concern

This is to certify that **Mr.Prathik A** pursuing his Bachelor of Automation and Robotics Engineering, 8th semester at KLE Technological University, Hubli, India has completed the internship on Machine Learning from 10th January 2022 to 31st May 2022 at Bamboo Rose (India) Pvt.Ltd., Bangalore.

We found him sincere, hardworking, and technically sound and result oriented. He worked well as part of a team during his tenure.

We wish him success for all his future endeavors.

Sincerely,

Manja Naika L,
MD, India Operations,
Bamboo Rose (India) Pvt Ltd.



TECHNICIOUS™

15th June 2022

CERTIFICATE

This is to certify that Mr. Titas Dewan- student of Automation And Robotics, KLE Technological University has successfully completed five month long internship at Technicious Technology Services Pvt Ltd. During his internship he was part of the Team which was responsible for developing HIMS system.

✓ Project: Healthcare Information Management System Technologies

Used: Django(Python Framework, React Js)

The candidate was found to be enthusiastic, hardworking and a quick learner during his short stint at Technicious Technology Services. His performance has been assessed as excellent.

We wish him every success in his life and career.

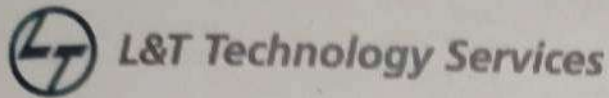
For Technicious Technology Services private Ltd.

Sabareesan Sankaran,
Director

Technicious Technology Services

R.S No 182/5 A-7, Evergreen homes, Nagala Park, Kolhapur, Maharashtra - 416003

CERTIFICATE OF INTERNSHIP



L&T-TS HR/99007611

18 May 2022

Ms. Vandana Devetkal

INTERNSHIP CERTIFICATE

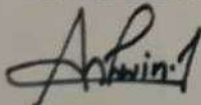
This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID : **99007611**
INTERNSHIP START DATE : **1 February 2022**
INTERNSHIP END DATE : **13 May 2022**
LOCATION : **Mysore**

We wish you success in your future endeavours.

Yours Sincerely,
For **L&T Technology Services Limited**,



Ashwin J
Senior Manager – HR Employee Relations & Compliance

Creintors Automation Solutions Pvt.Ltd.

An Integrated Management System Certified Company
(Aligned with ISO 9001, 14001, 27001 and 45001)

Ref No: CASPL/IL/08/06/2022



TO WHOMSOEVER IT MAY CONCERN

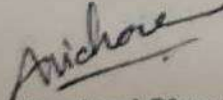
This is to certify that Mr. Vishal Hatti, USN : 01FE18BAR045, Studying in IVth Year BE in Automation & Robotics from KLE Technological University, Hubli-580031. He has Successfully completed his Internship Training under the guidance of Mrs. Disha Chougule, Assistant Manager Software, on "Programming, Control & Communication in Industrial Automation Systems" and also completed the project on Automation of Vertical Storage System, at Creintors Automation Solutions Pvt Ltd, Waghawade Road, Waghawade- Belgaum-590018 from 17th January 2022 to 03rd June 2022.

During the period of his internship with us, we found him sincere, hardworking and a quick learner.

We wish him all the best in his future endeavor.

With Regards

For Creintors Automation Solutions Pvt. Ltd.


Authorised Signatory



Plot No-2, Survey No. 22/3, Waghawade Road, Waghawade, Belgaum 590018 Karnataka, India.
Mob: +91 77950 00801 | E-mail: sales@cautomate.com | Website: www.cautomate.com
CIN No. U29266KA2017PTC101599



Farmercoin Smart Robotic Solutions
(OPC) Pvt Ltd.
Start-up street, 1st Floor,
R H Kulkarni Building
KLE technological University,
Vidyanagar, Hubli.
580031

CERTIFICATE

This is to certify that **Mr Vishnudath AP USN: 01FE18BAR046** student of **Bachelor of Engineering, KLE Technological University, Hubballi** has successfully completed his Internship training on **Product design development and PCB design** in our organization from **10th Jan 2022 to 31st May 2022**.

He took keen interest in the work assigned to him. His conduct and behaviour was found good.

We wish him all success in his future endeavours.

Date: 31st May 2022

Name: Mr. Ishwar

Signature:

(Mentor)

Name: Dr. Arun shetter



CERTIFICATE OF TRAINING & INTERNSHIP

We hereby proudly present this certificate of internship for outstanding, honourable effort of **Mr. Vivek M** bearing **USN 01FE18BAR047**, bonafide student of **Automation and Robotics** department, KLE Technological university for his/her successful completion of internship program conducted from **Jan 10th 2022 to May 31st 2022**.

The Outcome Of Internship Achieved:

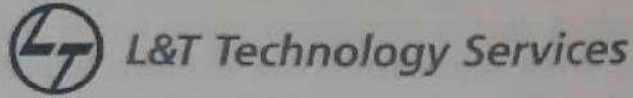
- Technology trained on HTML, CSS, Javascript and React JS
- Understand to implement Software development cycle using Agile Model
- Requirement gathering & Analysing
- Building various use case
- Coding, Debugging & Testing
- Hosting & Deploying the Software
- Team Meeting, Overcoming challenges & providing Quick Solutions.

During the course of "Internship" he/she has shown keen interest in learning & a very sincere worker.

We wish all the best for future Endeavours.



Authorized Signatory



L&T-TS HR/99007472

18 May 2022

Ms. Chaitali Rokhade

INTERNSHIP CERTIFICATE

This has reference to your Completion of Internship under Genesis Programme in L&T Technology Services Limited (LTTS).

Relevant details of internship during the tenure with LTTS are as under.

INTERNSHIP ID	: 99007472
INTERNSHIP START DATE	: 1 February 2022
INTERNSHIP END DATE	: 13 May 2022
LOCATION	: Mysore

We wish you success in your future endeavours.

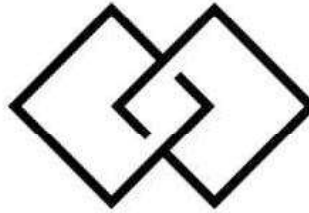
Yours Sincerely,
For L&T Technology Services Limited,

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

Ashwin J
Senior Manager – HR Employee Relations & Compliance



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Leveraging Knowledge



KLE Tech.
CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Aniket A. Jain

has completed a Training and Project work in

Autonomous Mobile Robot with Manipulator - VRL Logistics Ltd.

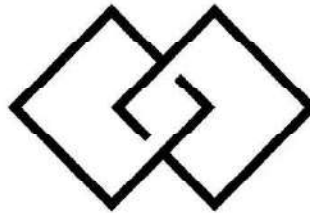
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Amrut S. Kurtkoti

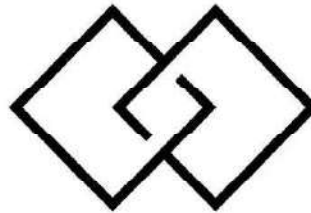
has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
at KLE Tech's Center for Automation Systems Engineering (CASE),
for the period of 6 Months starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Faizan Pathan

has completed a Training and Project work in

Autonomous Mobile Robot with Manipulator - VRL Logistics Ltd.

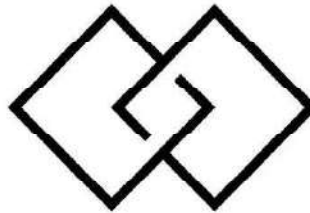
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Prasad K. Basaragi

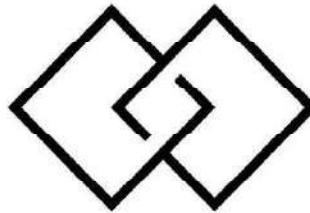
has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
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Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Rani R. Kinnal

has completed a Training and Project work in

Autonomous Mobile Robot with Manipulater - VRL Logistics Ltd.

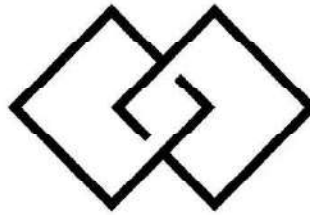
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
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KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Ritika S. Javalagi

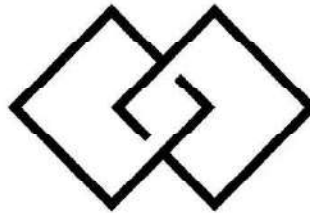
has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
at KLE Tech's Center for Automation Systems Engineering (CASE),
for the period of 6 Months starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Spoorti Hiremath

has completed a Training and Project work in

Tyre Wear Measurement System - VRL Logistics Ltd.

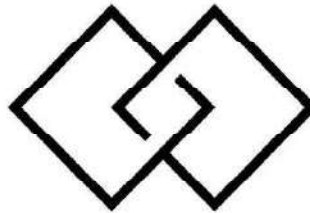
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
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Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Vishal Shibargatti

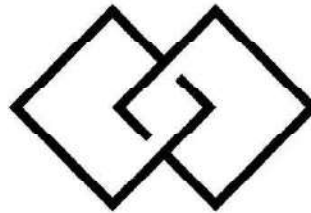
has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
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ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Darshan P. Nagda

has completed a Training and Project work in

Tyre Wear Measurement System - VRL Logistics Ltd.

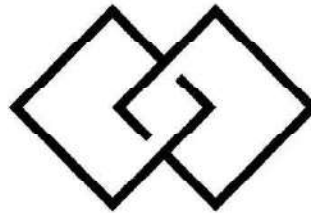
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
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Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Shraddha S. Vaidya

has completed a Training and Project work in

Tyre Wear Measurement System - VRL Logistics Ltd.

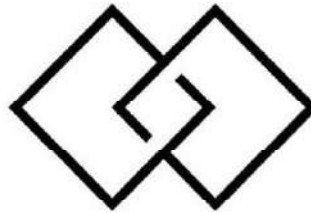
at KLE Tech's Center for Automation Systems Engineering (CASE), for the period of 6 Months
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Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



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CASE
Center for Automation Systems Engineering

CERTIFICATE OF INTERNSHIP

This certifies that

Kiran M. Guled

has completed a Training and Project work in **Welding Robot - VRL Logistics Ltd.**
at KLE Tech's Center for Automation Systems Engineering (CASE),
for the period of 6 Months starting from January 2022.

ARUN C. GIRIYAPUR
Administrator

KARTIK LAKAMANHALLI
Manager, Systems Engineering



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



CERTIFICATE

Incorporated under KLE Technological University Act-2012; Karnataka Act 22 of 2013 *Earlier known as*

Department of Automation & Robotics

2021 - 2022

This is to certify that Amogh Sutar (01FE18BAR005), Amrut Kurtkoti (01FE18BAR007), Anant Maliye (01FE18BAR008), K V S S Prathyush (01FE18BAR021), Malhar Kulkarni (01FE18BAR022), Prasad Basaragi (01FE18BAR027), Ranjeet Shingade (01FE18BAR031) and Ritika Javalagi (01FE18BAR032) has satisfactorily completed the course INSTITUTIONAL SPONSORED PROJECT (21EARW492).

Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



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Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



Date: 14 June, 2022

Employee Name: Anant Maliye

Employee ID: 300078090

Dear Anant Maliye,

This is to inform that Anant Maliye was associated with Rakuten India as technical intern from Jan 27, 22 to May 31, 22.

We thank you for your association with Rakuten India. We wish you great success in your future endeavours.

Your service record with the company is as follows:

Date of Joining Rakuten India Enterprise Private Limited:	Jan 27, 22
Working Day at Rakuten India Enterprise Private Limited:	May 31, 22
Last Designation:	Technical Intern

For **Rakuten India Enterprise Private Limited**

***Nisha Verma**
People Organization

*This is a system generated letter and does not require any signature



A Project Report

On

Automated Storage and Retrieval System

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INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



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2021 - 2022

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Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



CERTIFICATE

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Department of Automation & Robotics

2021 - 2022

This is to certify that Amogh Sutar (01FE18BAR005), Amrut Kurtkoti (01FE18BAR007), Anant Maliye (01FE18BAR008), K V S S Prathyush (01FE18BAR021), Malhar Kulkarni (01FE18BAR022), Prasad Basaragi (01FE18BAR027), Ranjeet Shingade (01FE18BAR031) and Ritika Javalagi (01FE18BAR032) has satisfactorily completed the course INSTITUTIONAL SPONSORED PROJECT (21EARW492).

Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

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Automated Storage and Retrieval System

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INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



CERTIFICATE

Incorporated under KLE Technological University Act-2012; Karnataka Act 22 of 2013 *Earlier known as*

Department of Automation & Robotics

2021 - 2022

This is to certify that Amogh Sutar (01FE18BAR005), Amrut Kurtkoti (01FE18BAR007), Anant Maliye (01FE18BAR008), K V S S Prathyush (01FE18BAR021), Malhar Kulkarni (01FE18BAR022), Prasad Basaragi (01FE18BAR027), Ranjeet Shingade (01FE18BAR031) and Ritika Javalagi (01FE18BAR032) has satisfactorily completed the course INSTITUTIONAL SPONSORED PROJECT (21EARW492).

Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



CERTIFICATE

Incorporated under KLE Technological University Act-2012; Karnataka Act 22 of 2013 *Earlier known as*

Department of Automation & Robotics

2021 - 2022

This is to certify that Amogh Sutar (01FE18BAR005), Amrut Kurtkoti (01FE18BAR007), Anant Maliye (01FE18BAR008), K V S S Prathyush (01FE18BAR021), Malhar Kulkarni (01FE18BAR022), Prasad Basaragi (01FE18BAR027), Ranjeet Shingade (01FE18BAR031) and Ritika Javalagi (01FE18BAR032) has satisfactorily completed the course INSTITUTIONAL SPONSORED PROJECT (21EARW492).

Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

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2021 - 2022

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Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



A Project Report

On

Automated Storage and Retrieval System

Submitted in partial fulfilment of the requirement for the course of

INSTITUTIONAL SPONSORED PROJECT

21EARW492

Department of Automation & Robotics

Under the guidance of

Prof. Arun C Giriyapur

Prof. Sachin Karadgi

Kartik Lakamanhalli

Department of Automation & Robotics,

KLE Technological University, Hubballi - 580031



CERTIFICATE

Incorporated under KLE Technological University Act-2012; Karnataka Act 22 of 2013 *Earlier known as*

Department of Automation & Robotics

2021 - 2022

This is to certify that Amogh Sutar (01FE18BAR005), Amrut Kurtkoti (01FE18BAR007), Anant Maliye (01FE18BAR008), K V S S Prathyush (01FE18BAR021), Malhar Kulkarni (01FE18BAR022), Prasad Basaragi (01FE18BAR027), Ranjeet Shingade (01FE18BAR031) and Ritika Javalagi (01FE18BAR032) has satisfactorily completed the course INSTITUTIONAL SPONSORED PROJECT (21EARW492).

Examiner 1:

SACHIN KARADGI

Sachin K.
07-JAN-2022

Examiner 2:

Name: A. C. Aiyappan

A. C. Aiyappan
7/1/2022

Sachin K.
Staff in-charge

A. C. Aiyappan
Head of the Department



Ref: MTR/HRD/TRN/Cert/2022/09

Date: 07th June, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Aakanksha UK, (01FE18BBT001) student of KLE Technological University, Hubballi pursuing B.E in Biotechnology had undertaken a project on 'Process Validation of different Breakfast Mixes in Instant Food Division (IFD) and Air Petri Monitor system in the Operations Function as per the Institute norms at MTR Foods Private Limited, Bengaluru as part fulfilment of the requirement of the award of the degree from January 11th 2022 to June 9th 2022

She has successfully completed the training. While on the assignment she displayed due diligence, responsibility and hard work.

We wish her all the best in her future endeavors.

Yours Sincerely,
For MTR Foods Pvt. Ltd.,

Milan Chattaraj
Chief People Officer

BRC Certified Company
CIN: U15136KA 1996PTCO21007
Orkla Group Company

Regd. Office:
MTR Foods Private Limited No. 1,
2nd & 3rd Floor
100 Feet Inner Ring Road, Ejjipura
Ashwini Layout, Vivek Nagar SO,
Bengaluru - 560 047. INDIA

T: +91 80 4081 2100 / 07
Web: www.mtrfoods.com

Factory
MTR Foods Private Limited
No. 80, Bommesandra Ind. Area
Hebbagodi, Anekal Taluk
Bengaluru - 560 099 INDIA

T: +91 80 4252 8000
F: +91 80 2783 2828

Himalaya
SINCE 1930



June 01, 2022

CERTIFICATE

This is to certify that Ms. Abhilasha M Patil student of final year B.E in Biotechnology studying at KLE Technological university, Hubballi, has successfully completed her Internship Training in Plant tissue culture lab, R&D Centre, Himalaya Wellness Company.

The duration of training was from January 11, 2022 to June 01, 2022.

During this period of training, we found her punctual, disciplined and proactive in assigned tasks and duties.

We wish her all the success in future endeavors.

For Himalaya Wellness Company

Raghavendra V Kulkarni
Associate General Manager - Talent Management



ENCEPHALON
SOLUTIONS

CERTIFICATE

Certified that the Project work titled "Functional Electric stimulation" has been carried out by Aishwarya Raikar, SRN 01FE18BBT003 , a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from 11th January 2022 to 15th May 2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year 2021-22 .

It is certified that, he/she has completed the Project work satisfactorily.

Sincerely,

Ninad Patil
CEO of Encephalon solutions
CLITE building
KLE Technological University campus
Vidyanagar
Hubli-580031
Date : 27-05-2022

For ENCEPHALON

CLITE BLDG



ENCEPHALON
SOLUTIONS

CERTIFICATE

Certified that the Project work titled "Functional Electric stimulation" has been carried out by Aishwarya Patil, SRN 01FF18BBT004, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from 11th January 2022 to 15th May 2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year 2021-22.

It is certified that, he/she has completed the Project work satisfactorily.

Sincerely,

Ninad Patil
CEO of Encephalon solutions
CLITE building
KLE Technological University campus
Vidyanagar
Hubli-580031
Date : 27-05-2022

For ENCEPHALON



USHINEP



ENCEPHALON
SOLUTIONS

CERTIFICATE

Certified that the Project work titled "Functional Electric stimulation" has been carried out by Aishwarya Patil, SRN 01FF18BBT004, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from 11th January 2022 to 15th May 2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year 2021-22.

It is certified that, he/she has completed the Project work satisfactorily.

Sincerely,

Ninad Patil
CEO of Encephalon solutions
CLITE building
KLE Technological University campus
Vidyanagar
Hubli-580031
Date : 27-05-2022

For ENCEPHALON



NSH/NEP



**SHANKARANARAYANA
LIFE SCIENCES***
A NEW GENERATION COMPANY

CERTIFICATE

Certified that the Project work titled "Cloning, Expression and Purification of Staphylococcus Protein A" has been carried out by **AKHILA YALLAPPA OLEKAR**, SRN **01FE18BBT006**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from **Jan 19, 2022** to **May 31, 2022** in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.

Bhairab Mordhal
Authorized Signatory

Date: 31.05.2022



Mail: info@snlifesciences.com | Website : www.snlifesciences.com
Plot No. 90, Progressive Poly Crafts, Front Building, 1st and 2nd Floor, 3rd Road, Bommasandra Industrial Area,
4th Phase, Bengaluru, Karnataka - 560 099.

Scanned with CamScanner

University of Horticultural Sciences, Bagalkot

College of Horticulture, UHS Campus, GKVK Post, Bengaluru - 560 065,

Department of Biotechnology and Crop Improvement

Prof. B. Fakrudin Ph.D., Ph.D. (Agr.), Ph.D. (Agr. & Genet.), Ph.D. (Agr. & Genet.)

Tel: 080-23628075(O); Mobile: +91 9480388274

Professor and University Head (BCI)

Email: bfakrudin@gmail.com

No. COH(B)/BCI/2022-23

Date: 15-05-2022

Certificate

This is to Certify that Internship – Training titled “Training on SOP and Traditional Processes of Molecular Biology and Bioinformatics Tools” has been carried out by **AKUL S RAUADE SRN: 01FE18BBT007**, a *bonafide* student of Department of Biotechnology, **KLE Technological University**, Hubballi from 13.01.2022 to 15.05.2022, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi**.

It is certified that he has completed the Internship- training satisfactorily.



Dr. Shruthi SD

+91 94827 74014

+91 80733 69271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/62/22-23 June 7th, 2022

CERTIFICATE

Certified that the Project work titled "DNA Barcoding and synthesis of silver nanoparticles from Betel leaves and evaluating its Antioxidant and Antibacterial potential" has been carried out by Anagha Albur, SRN01FE18BBT009, a bonafide student of the Department of Biotechnology, KLE Technological University, Hubballi from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions


Proprietress

Date: 07-06-2022



Dr. Shruthi SD

+91 94827 74014

+91 80733 89271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/63/22-23 June 7th, 2022

CERTIFICATE

Certified that Internship – Training has been carried out by **Anagha Albur,SRN 01FE18BBT009**, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from 17/01/2022 to 31/05/2022, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2022-23**.

It is certified that, he/she has completed the Internship- training satisfactorily.

Authorized Signatory:

For BioEdge Solutions


Proprietress

Date: 07-06-2022



University of Horticultural Sciences, Bagalkot

College of Horticulture, UHS Campus, GKVK Post, Bengaluru - 560 065,

Department of Biotechnology and Crop Improvement

Prof. B. Fakrudin M.Sc(Ag), Ph.D. (PhD), Post Doc (USA & Germany), KGSBMS, PGRI
Professor and University Head (BCI)

Tel: 080-23628075(O); Mobile: +91 9480369274
Email: bfakrudin@gmail.com

No. COH(B)/BCI/2022-23

Date: 15-05-2022

Certificate

This is to Certify that Internship – Training titled “**Training on SOP and Traditional Processes of Molecular Biology and Bioinformatics Tools**” has been carried out by **Aniruddha Kulkarni, SRN:01FE18BBT010**, a *bonafide* student of Department of Biotechnology, **KLE Technological University, Hubballi** from 13.01.2022 to 15.05.2022, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi**.

It is certified that he has completed the Internship- training satisfactorily.


Professor and Head
Dept. of Biotechnology & Crop Improvement
College of Horticulture, UHS Campus
GKVK Post, Bengaluru - 560 065, Karnataka



University of Horticultural Sciences, Bagalkot

College of Horticulture, UHS Campus, GKVK Post, Bengaluru - 560 065,

Department of Biotechnology and Crop Improvement

Prof. B. Fakrudin M.Sc(Ag), Ph.D. (SPS), Post Doc (USA & Germany), PGD(Biotech), PGD(C)

Tel: 080-23628075(O); Mobile: +91 9480369274

Professor and University Head (BCI)

Email:bfakrudin@gmail.com

No. COH(B)/BCI/2022-23

Date: 15-05-2022

CERTIFICATE OF COMPLETION

This is to certify that Internship Project titled '**Isolation and Characteristics analysis of DNA of Hybrid, Indie Tomato plants and In-silico miRNA mapping of Tomato species**' has been carried out by (**Aniruddha Kulkarni**), SRN:01FE18BBT010, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from 13.01.2022 to 15.05.2022date to date, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi**. It is certified that, he/she has completed the Internship- training satisfactorily.


Professor and Head
Dept. of Biotechnology & Crop Improvement
College of Horticulture, UHS Campus
GKVK Post, Bengaluru - 560 065, Karnataka

Date: 31st May 2022
Place: Dharwad

Internship Certificate


This is to certify that **Ms. Anjali Sarda (01FE18BBT011)**, a student of B.E. Biotechnology, K.L.E. Technological University - Hubballi, has done the Industry Internship project on "**Study of Manufacturing Process Involved in Metoclopramide Hydrochloride Injection**" under the guidance of Mr. Anandgouda Patil (Quality Assurance Manager).

And has undergone Industry Internship Project in Quality Control Department at our organization **from 24th January 2022 to 31st May 2022. (Full Time)**

During her Internship Project work she was exposed to various stages of Lab-testing, manufacturing activities in injectable plant.

We wish her all the best for her future endeavours.

For **SHRI BHAVANI PHARMACEUTICALS**


Krishnappa Malali
Human Resource Manager
8660371961, 9036510239




CERTIFICATE

(On the Company Letter Head)

Certified that Internship - Training has been carried out by **Ankita S. Kamalapurkar (01FE18BBT012)** is a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from **Jan 2022 to July 2022**, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the KLE Technological University, Hubballi during the year **2021-22**.

It is certified that, she has completed the Internship- training satisfactorily.

for **B. SRIKANTH**

08/06/2022

Mr. Ganesh Lokhande

Deputy Manager,

Drug Product Compliance,

Biocon Biologics Ltd., Bangalore.

Date: 31st May 2022
Place: Dharwad

Internship Certificate

This is to certify that **Ms. Anna Jogin (01FE18BBT013)**, a student of B.E. Biotechnology, K.L.E. Technological University – Hubballi, has done the Industry Internship project on "**Study of Manufacturing Process Involved in Metoclopramide Hydrochloride Injection**" under the guidance of Mr. Anandgouda Patil (Quality Assurance Manager).

And has undergone Industry Internship Project in Quality Control Department at our organization **from 24th January 2022 to 31st May 2022. (Full Time)**

During her Internship Project work she was exposed to various stages of Lab-testing, manufacturing activities in injectable plant.

We wish her all the best for her future endeavours.

For SHRI BHAVANI PHARMACEUTICALS


Krishnappa Malali
Human Resource Manager
8660371961, 9036510239



CERTIFICATE
E
(On the Company Letter
Head)

Certified that the Project work titled “**Evaluation of Molecular Variations in Chilly Varieties using SSR and ISSR Markers**” has been carried out by **Anushka Biradar** , SRN **01FE18BBT014**, a bonafide student of the Department of Biotechnology, **KLE Technological University**, Hubballi from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the **2021-22**.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions

Proprietress

Date: 07-06-2022



Pre-clinical Research & Molecular Diagnostics (ISO 9001:2015 Certified)
#3500/181, 21st Cross, Lingaraj Nagar North, Hubballi – 580031, Karnataka, India
Phone: +91-0836-2270305, +917795122960, E-mail: info@cytxonbiosolution.com
Website: www.cytxonbiosolutions.com

Certificate of Completion

Certified that Industry Internship Project titled “GCMS based phytochemical and pharmacological investigation of *Lepisanthes alata*” has been carried out from 17/01/2022 to 30/05/2022 by **Asha Ranganath Patil, 01FE18BBT015**, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the KLE Technological University, Hubballi during the year **2021-22**.

It is certified that, he/she has completed the Project work satisfactorily.

Dr. Arun K. Shettar
(Research scientist)

Date: 09/06/2022





Dr. Shruthi SD

+91 94827 74014

+91 80733 69271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/71/22-23 June 9th, 2022

CERTIFICATE

Certified that the Project work titled “**Industrial Training on SOP and GLPs of Molecular Biological Techniques and DNA Barcoding of different Onion Species**” has been carried out by **B. Priyanka**, SRN01FE18BBT016, a bonafide student of the Department of Biotechnology, **KLE Technological University**, Hubballi from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University**, Hubballi during the year 2022-23.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions


Proprietress

Date: 09-06-2022



Dr. Shruthi SD

+91 94827 74014

+91 80733 69271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/70/22-23 June 9th, 2022

CERTIFICATE

Certified that the Project work titled “**Genetic Variation of Onion Species using RAPD and RFLP Markers**” has been carried out by **B. Priyanka, SRN01FE18BBT016**, a bonafide student of the Department of Biotechnology, **KLE Technological University, Hubballi** from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year 2022-23.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions


Proprietress

Date: 09-06-2022



Prajna Biosciences Pvt. Ltd.

Center for Technology Entrepreneurship
KLE Technological University, Hubballi - 580 031, Karnataka, India.

Cell: +91 9686145135 E-mail : info@prajnabio.com Web: www.prajnabio.com

Ref:

CERTIFICATE

Date:

Certified that Industry Internship – Training has been carried out from **January 2022 to May 2022** by **Bindu G. Bhat, SRN: 01FE18BBT017**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.



Authorized Signatory

Date: 03/06/2022



Prajna Biosciences Pvt. Ltd.

Center for Technology Entrepreneurship
KLE Technological University, Hubballi - 580 031, Karnataka, India.

Cell: +91 9686145135 E-mail : info@prajnabio.com Web: www.prajnabio.com

Ref:

CERTIFICATE

Date:

Certified that Industry Internship – Project has been carried out from **January 2022 to May 2022** by **Bindu G. Bhat, SRN: 01FE18BBT017**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.



Authorized Signatory

Date: 03/06/2022



Prajna Biosciences Pvt. Ltd.

Center for Technology Entrepreneurship
KLE Technological University, Hubballi - 580 031, Karnataka, India.

Cell: +91 9686145135 E-mail: info@prajna.bio.com Web: www.prajna.bio.com

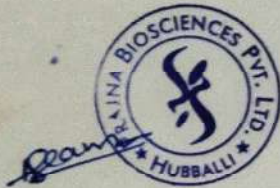
CERTIFICATE

Date:

Ref:

Certified that Industry Internship – Project has been carried out from **January 2022 to May 2022** by **Anisha Chakrasali, SRN: 01F18BBT018**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.



Authorized Signatory

Date: 03/06/2022



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NITM
NATIONAL INSTITUTE OF
TRADITIONAL MEDICINE

आई सी एम आर - राष्ट्रीय पारम्परिक चिकित्साविज्ञान संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य एवं परिवार
कल्याण विभाग, भारत सरकार

ICMR - National Institute of Traditional Medicine
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

No.ICMR-NITM/BGV/22-23/

Date : 09-06-2022

CERTIFICATE

This is to Certify that Ms. Janhavi R Kamat is persuing Internship under the guidance of Dr. Banappa Unger, Scientist 'E' at ICMR - National Institute of Traditional Medicine, Belagavi. The Internship is for 06 months, which Commenced from 17th January, 2022.


Section Officer
ICMR-NITM, Belagavi

To

1. Dr. Banappa U, Scientist 'E'
2. Office copy



Date: 30/06/2022

INTERNSHIP CERTIFICATE

This is to certify that **Kavya R M** bearing **Student ID:01FE18BBT020** has successfully completed her internship in the **Quality Department** and **Analytical Development Department** respectively at our company from **17 January 2022** to **01 July 2022**.

We found **Kavya R M** to be sincere, honest and efficient in executing the assigned responsibilities.

We wish her success for all future endeavours.

For **STELIS BIOPHARMA LIMITED**,

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

Aparna Pandit
Senior Manager-Human Resources

Stelis Biopharma Limited
(Formerly **Stelis Biopharma Private Limited**)

CIN: U74140KA2007PLC043095

Corp. Off : Star I, Opp IIM Bangalore, Bilekahalli, Bannerghatta Road, Bengaluru – 560 076 India

Tel: +91 80 6784 0000

Regd. Off : #293, Jigani Link Road, Bommasandra, Anekal Taluk, Bengaluru – 560 105 India

Tel: +91 80 6784 0444

E: info@stelis.com | W: www.stelis.com



Date: 30/06/2022

INTERNSHIP CERTIFICATE

This is to certify that **Krithika C** bearing Student ID:01FE18BBT021 has successfully completed her internship in the **Quality Department** and **Analytical Development Department** respectively at our company from **17 January 2022** to **01 July 2022**

We found **Krithika C** to be sincere, honest and efficient in executing the assigned responsibilities.

We wish her success for all future endeavours.

For **STELIS BIOPHARMA LIMITED**,

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

Aparna Pandit
Senior Manager-Human Resources

Stelis Biopharma Limited
(Formerly **Stelis Biopharma Private Limited**)
CIN: U/4140KA2007PLC043096

Corp. Off : Star 1, Opp IIM Bangalore, Bilekahalli, Bannerghatta Road, Bengaluru - 560 076 India
Tel: +91 80 6794 3030

Regd. Off : #293, Jigani Link Road, Bommasandra, Anekal Taluk, Bengaluru - 560 105 India
Tel: +91 80 6794 0444

E: info@stelis.com | W: www.stelis.com

Date: 30/05/2022

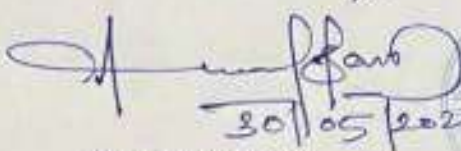
TO WHOM IT MAY CONCERN

This is to certify that **Ms. Madhura Kulkarni**, a student of **BE Biotechnology, Department of KLE Technological University, Hubli** has successfully completed the internship in the field of **QC Analytical** with **Shilpa Biologicals Private Limited, Dharwad** from **11-01-2022** to **17-05-2022** under the guidance of **Mr. Bramhendra-Sr. Manager, QC Analytical**.

During the period of her internship program with us she had been exposed to different process was found punctual, hardworking, and inquisitive.

We wish her every success in her life and Career.

For Shilpa Biologicals Pvt Ltd,



30/05/2022

Amal Sasidharan



Sr. Manager Human Resources



Date: 30/06/2022

INTERNSHIP CERTIFICATE

This is to certify that **Medini M Hegade** bearing **Student ID:01FE18BBT024** has successfully completed her internship in the **Quality Department** and **Analytical Development Department** respectively at our company from **17 January 2022** to **01 July 2022**

We found **Medini M Hegade** to be sincere, honest and efficient in executing the assigned responsibilities.

We wish her success for all future endeavours.

For **STELIS BIOPHARMA LIMITED**,

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

Aparna Pandit
Senior Manager-Human Resources

Stelis Biopharma Limited
(Formerly Stelis Biopharma Private Limited)

CIN: U74140KA2007PLC043095

Corp. Off : Star I, Opp IIM Bangalore, Bilekahalli, Bannerghatta Road, Bengaluru - 560 076 India

Tel: +91 80 6784 0000

Regd. Off : #293, Jigani Link Road, Bommasandra, Anekal Taluk, Bengaluru - 560 105 India

Tel: +91 80 6784 0444

E: info@stelis.com | W: www.stelis.com



UNITED BREWERIES LIMITED

18.05.2022

Internship Certificate

This is to certify that **Ms. Nesar Gaonkar**, student of KLE Technological University, Hubballi has successfully completed internship on fermentation process and quality parameters, from 11th January 2022 to 18th May 2022 under the guidance of Mr. Balaji (Head Quality Assurance).

During the period of her internship program with us she had been exposed to different process. She found punctual, hardworking and inquisitive during this period.

We wish her every success in her future endeavors.

With Best Wishes,



SANJEEV YADAV

(UNIT HEAD)

United Breweries Limited

Mangalore

Unit Address : United Breweries Limited, Plot No. 310, 311, 322E Industrial Area, Baikampady, Mangaluru - 575 011
Phone : 0824-2408448, 2409612, Fax : 0824-2408448 Email : mbdigeni@ubmail.com

Registered & Corporate Office : UB Tower, UB City, #24, Vittal Mallya Road, Bangalore - 560 001, INDIA
Tel : (91-80) 39855000, 22772607, 22293333, Fax : (91-80) 22211964, 22239488

Corporate Identiv Number : L36999KA1999PLC028195. Website: www.unitedbreweries.com. Email: ubcorporated@ubmail.com



ICMR – National Institute of Traditional Medicine,
Nehru Nagar, Belagavi, Karnataka – 590010, India



Ref No:

Date: 29/06/22

INTERNSHIP CERTIFICATE

This is to certify that the dissertation entitled, “Evaluation of Antibacterial Activity of Hydrochloric Plant Extracts Against Clinical Isolates of *Escherichia coli*” is submitted by Ms Priyanka A Gadadavar, USN: 01FE18BBT026 to the KLE Technological University-Hubballi, in partial fulfilment of the requirements for the Degree of Bachelor of Engineering in Biotechnology is a record of work carried by her under my supervision (Dr. Harish. D. R. Scientist B, ICMR-National Institute of Traditional Medicine, Belagavi 590010, Karnataka India) from 04/02/2022 to 29/06/2022.

Signature of the Guide:

Dr. Harish D. R. M.V.Sc., Ph.D.
Department of Health Research, Govt. of India
ICMR - National Institute of Traditional Medicine
Nehru Nagar, Belagavi, Karnataka
Department of Health Research, Govt. of India
Nehru Nagar, Belagavi-590010



CERTIFICATE

Certified that the Project work titled "kLa Studies For Process Scale Up and Quality Tests for In Process Check" has been carried out by **Ragini, SRN 01FE18BBT027**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from 17 July 2022 to 31 May 2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, he/she has completed the Project work satisfactorily.


Saravanan.L

Senior Manager

Quality Assurance

Date: 31.05.2022



Stelis Biopharma Limited
(Formerly Stelis Biopharms Private Limited)

CIN: U74140KA2007PL0343095

Corp. Off : Star 1, Opp IIM Bangalore, Brekhalalli, Hanumanthappa Road, Bengaluru - 560 076 India

Tel: +91 80 6784 0000

Regd. Off : #203, Jigani Link Road, Bommasandra, Ankal Taruk, Bengaluru - 560 105 India

Tel: +91 80 0784 0444

E: info@stelis.com | W: www.stelis.com



CERTIFICATE

Certified that Internship - Training has been carried out by **Ragini**, SRN **01FE18BBT027**, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from **January 2022** to **May 2022**, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, he/she has completed the Internship- training satisfactorily.


09/06/2022
Mr. Saravahan L.

Senior Manager

Quality Assurance

Date: 09/06/2022



Stelis Biopharma Limited
(Formerly Stelis Biopharma Private Limited)

CIN: U74140KA2007PLCC13095

Corp. Off: Star I, Opp IIM Bangalore, Bilekahalli, Bannerghatta Road, Bengaluru - 560 076 India

Tel: +91 80 8754 0000

Regd. Off: #240, Jigani Link Road, Bommasandra, Anksai Taluk, Bengaluru - 560 105 India

Tel: +91 80 6734 0444

E: info@stelis.com | W: www.stelis.com



SHANKARANARAYANA
LIFE SCIENCES
A NEW GENERATION COMPANY

CERTIFICATE

Certified that the Project work titled "Evaluation Of Major Milk Adulterants In Locally Collected Milk Samples By Small Tube-Based Method" has been carried out by ROSHAN SHAREEPSAHEB NADAF, SKN 01FE18BB1028, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from Jan 13, 2022 to May 21, 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2021-22.

It is certified that, she has completed the Project work satisfactorily.

Bhairab Mondal

Authorized Signatory

Date: 31.05.2022





**SHANKARANARAYANA
LIFE SCIENCES***
A NEW GENERATION COMPANY

CERTIFICATE

This is to certify that the Industry Internship Project titled "*In vitro* evaluation of probiotic properties of Lactic acid bacteria isolated from fermented food products" has been carried out by Shivani Desai, SRN 01FE18BBT029, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from Jan 12, 2022 to May 31, 2022, in partial fulfilment for the award of Bachelor of Engineering in (Biotechnology) of the KLE Technological University, Hubballi during the year 2021-22.

It is certified that, she has completed the Industry Internship project satisfactorily.

Bhairab Mordel
Authorized Signatory

Date: 31.05.2022



Mail: info@snlifesciences.com | Website : www.snlifesciences.com
Plot No. 90, Progressive Poly Crafts, Front Building, 1st and 2nd Floor, 3rd Road, Bommasandra Industrial Area,
4th Phase, Bengaluru, Karnataka - 560 099.

Scanned with CamScanner



**SHANKARANARAYANA
LIFE SCIENCES***
A NEW GENERATION COMPANY

CERTIFICATE

This is to certify that the Industry Internship Project titled "*In vitro* evaluation of probiotic properties of Lactic acid bacteria isolated from fermented food products" has been carried out by Shivani Desai, SRN 01FE18BBT029, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from Jan 12, 2022 to May 31, 2022, in partial fulfilment for the award of Bachelor of Engineering in (Biotechnology) of the KLE Technological University, Hubballi during the year 2021-22.

It is certified that, she has completed the Industry Internship project satisfactorily.

Bhairab Mordel
Authorized Signatory

Date: 31.05.2022



Mail: info@snlifesciences.com | Website : www.snlifesciences.com
Plot No. 90, Progressive Poly Crafts, Front Building, 1st and 2nd Floor, 3rd Road, Bommasandra Industrial Area,
4th Phase, Bengaluru, Karnataka - 560 099.

Scanned with CamScanner



Biological E. Limited

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

Certified that the Project work & Training titled “**Process Involved in the Purification of Hep-Bs Bulk Antigen**” and “**Techniques Adopted for the Purification of Hep-Bs bulk Antigen**” has been carried out by Mr Shrikanth, SRN 01FE18BBT031, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from 13th January 2022 to 18th May 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he has completed the Project work & Training satisfactorily.

We wish him all the best.

For BIOLOGICAL E. LTD.,



Srinivasan Keshav Pagadala

General Manger – Human Resources



Biological E. Limited

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

Certified that the Project work & Training titled "**Process Involved in the Purification of Hep-Bs Bulk Antigen**" and "**Techniques Adopted for the Purification of Hep-Bs bulk Antigen**" has been carried out by Mr Shrikanth, SRN 01FE18BBT031, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from 13th January 2022 to 18th May 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he has completed the Project work & Training satisfactorily.

We wish him all the best.

For **BIOLOGICAL E. LTD.,**


Srinivasan Keshav Pagadala

General Manger – Human Resources

Plot No. 1, Sitotech Park, Phase-4, Kolthur Village, Shamserpet, Medchal-Malkajgiri District-500078
Telangana, India, Tel: +91 40 67388000, Fax: +91 40 30128159, E-mail: info@biologicale.com, www.biologicale.com
CIN: UDI1201G1953PLC001095

Celebrating Life Every Day



CERTIFICATE

Certified that Industry Internship - Project titled "**Computational Investigation of α -Glucosidase Inhibitors from *Gymnema sylvestre* for the Treatment of Type 2 Diabetes Mellitus**" has been carried out by **Sindhu Mathapati, 01FE18BBT034**, a bonafide student of Department of Biotechnology, **KLE Technological University, Hubballi** from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.

Authorized Signatory

Date:


CERTIFICATE
(BioEdge Solutions)

Certified that Internship – Training has been carried out by **Vaishnavi A Biradar**, SRN 01FE18BBT035, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from 17 January 2022 to 20 May 2022, in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, he/she has completed the Internship- training satisfactorily.

Authorized Signatory:

For BioEdge Solutions


Proprietress

Date: 07-06-2022



Dr. Shruthi SD

+91 94827 74014

+91 80733 69271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/73/22-23 June 9th, 2022

CERTIFICATE

Certified that the Project work titled “**Morphological, microscopic, biochemical and molecular identification of pathogenic bacteria present in tomatoes grown in different agronomic condition**” has been carried out by **Vaishnavi A Biradar**, SRN 01FE18BBT035, a bonafide student of the Department of Biotechnology, **KLE Technological University**, Hubballi from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University**, Hubballi during the year 2022-23.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions


Proprietress


Date: 09-06-2022

CERTIFICATE

(On the Company Letter Head)

Certified that Industry Internship – Project has been carried out from January 2022 to May 2022 by Ramya Munavalli, 01FE18BBT036, a bonafide student of Department of Biotechnology , **KLE Technological University**, Hubballi in partial fulfillment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, she has completed the Project work satisfactorily.


Authorized Signatory

Date: 18.05.2022

Quality Assurance Dept.
United Breweries Ltd.
Industrial Area, Baikampady
NEW MANGALORE





UNITED BREWERIES LIMITED

18.05.2022

Internship Certificate

This is to certify that Ms. Ramya R Munavall, student of KLE Technological University, Hubballi has successfully completed internship on fermentation process and quality parameters, from 11th January 2022 to 18th May 2022 under the guidance of Mr. Balaji (Manager Quality Assurance).

During the period of her internship program with us she had been exposed to different process. She was found punctual, hardworking and inquisitive during this period.

We wish her every success in her future endeavors.

With Best Wishes,



SANJEEV YADAV

(UNIT HEAD)

United Breweries Limited

Mangalore



FARM GULP PRIVATE LIMITED

Valorisation of Pomegranate Peel
for the Production of Ellagic acid

CERTIFICATE OF INTERNSHIP

Certified that the Project work titled "Valorisation of Pomegranate Peel for the Production of Ellagic Acid" has been carried out by **Priya I Melmalagi, 01FE18BBT042**, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from 10/1/2022 to 09/06/2022 in partial fulfillment for the award of **Bachelor of Engineering in Biotechnology** of the **KLE Technological University, Hubballi** during the year 2021-22 .

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

CTO, Director

Farm Gulp Private Limited



Queries at admin@farmgulp.com Phone, +91 7676635922, +91 7411715912
Farm Gulp Private Limited CIN: U15549KA2018PTC118081, GSTIN: 29AADCF5494K1Z1
WFF4, Bangalore Bioinnovation Centre, Electronic City Phase-1, Bengaluru -560100



SHANKARANARAYANA
LIFE SCIENCES
A NEW GENERATION COMPANY

CERTIFICATE

Certified that the Project work titled "Development of Real-Time PCR Detection Kit (SYBR-Green based) for Major Food-borne Pathogens from food samples" has been carried out by PRAJWAL J KAMBLE, SRN 01FE18BBT046, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from Jan 27, 2022 to May 31, 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2021-22.

It is certified that, he has completed the Project work satisfactorily.

Bhairab Mondal
Authorized Signatory

Date: 31.05.2022



Mail: Info@snlifesciences.com | Website : www.snlifesciences.com

Plot No. 90, Progressive Poly Crafts, Front Building, 1st and 2nd Floor, 3rd Road, Bommasandra Industrial Area,
4th Phase, Bengaluru, Karnataka - 560 099.



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CamScanner



SHANKARANARAYANA
LIFE SCIENCES[®]
A NEW GENERATION COMPANY

CERTIFICATE

This is to certify that the Industry Internship Project titled "**Isolation, identification and detection of *Campylobacter jejuni*, *Campylobacter coli* and *Campylobacter fetus subsp. fetus* by multiplex PCR assay**" has been carried out by **Sayeed Aaqueeb M Gaddi**, SRN 01FE18BBT048, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from **Jan 12, 2022 to May 31, 2022**, in partial fulfilment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, he has completed the Industry Internship project satisfactorily.



Bhairab Mondal
Authorized Signatory

Date: *31.05.2022*



**SHANKARANARAYANA
LIFE SCIENCES***
A NEW GENERATION COMPANY

CERTIFICATE

Certified that Internship – Training has been carried out **Sayeed Aqueeb M Gaddi**, SRN **01FE180BT048**, a bonafide student of Department of Biotechnology, **KLE Technological University**, Hubballi from **Jan 27, 2022 to May 31, 2022**, in partial fulfilment for the award of **Bachelor of Engineering in (Biotechnology)** of the **KLE Technological University, Hubballi** during the year **2021-22**.

It is certified that, he/she has completed the Internship- training satisfactorily.



Bhadrab Mondal
Authorized Signatory

Date: *31.05.2022*

Date: 31st May 2022
Place: Dharwad

Internship Certificate


This is to certify that **Ms. Ranjinipriya. K (01FE18BBT049)**, a student of B.E. Biotechnology, K.L.E. Technological University – Hubballi, has done the Industry Internship project on **“Study of Manufacturing Process Involved in Metoclopramide Hydrochloride Injection”** under the guidance of Mr. Anandgouda Patil (Quality Assurance Manager).

And has undergone Industry Internship Project in Quality Control Department at our organization **from 01st February 2022 to 31st May 2022. (Full Time)**

During her Internship Project work she was exposed to various stages of Lab-testing; manufacturing activities in injectable plant.

We wish her all the best for her future endeavours.

For SHRI BHAVANI PHARMACEUTICALS


Krishnappa Malali
Human Resource Manager
8660371961, 9036510239





ESSAR LABORATORIES & RESEARCH CENTRE

ISO 9001:2015 CERTIFIED
Approved for AQMARK Grading

FAZAL MANZIL, 25, SURESHA COLONY, KESHAVAPUR, HUBLI - 580033 (KARNATAKA)
Email: archna@gmail.com, ankalgi@gmail.com, web: www.essarlaboratory.com
Ph. No. (0836) 2368665, 0836 - 2268788

Internship Certificate

This is to certify that Ms. Shaista Azhari Kittur (01FE18BBT050), a student of B.E. Biotechnology, K.L.E Technological University-Hubli, has done the Industry Internship project on "Method Optimization for Detection and Determination of Capsaicinoid by HPLC in Chillies" under the guidance of Dr. R F Ankalgi (Scientist and Chief Executive Officer).

The above said Internship Project was attended by Ms. Shaista Azhari Kittur in our Laboratory during the period from 21st January 2022 to 31st May 2022. (Full Time).

During her Internship Project she got opportunity to work under the several stages of Lab-Testing.

We wish her all the best for her future endeavors.

Date: 04th July, 2022

For Essar Laboratories & Research Centre

Place: Hubli.

Essar Laboratories & Research Centre

Managing Partner
(Smt S.R. Ankalgi)





ICMR – National Institute of Traditional Medicine,
Nehru Nagar, Belagavi, Karnataka – 590010, India



Ref No:

Date: 29/06/2022

INTERNSHIP CERTIFICATE

This is to certify that the dissertation entitled, “**Computational pharmacology divulge mechanism of actions of *Syzygium cumini* for the treatment of type 2 diabetes mellitus**” is submitted by **Ms. Payal R Ghorpade**, USN 01FE18BBT051 to KLE Technological University, Hubballi in partial fulfilment of the requirements for the Degree of Bachelor of Engineering in Biotechnology is a record of work carried by her under my supervision (Dr. Harish. D. R. Scientist B. ICMR-National Institute of Traditional Medicine, Belagavi 590010, Karnataka India) from 17/01/2022 to 29/06/2022.

Signature of the Guide:

ಶಿ. ಹರಿಶ್ ಡಿ. ಆರ್. ಎಸ್.ಎಸ್.ಡಿ.ಎಸ್.ಎಸ್.
Dr. Harish D. R., M.Sc., Ph.D.
ಕರ್ನಾಟಕ / Karnataka
ಸಿ.ಆರ್.ಐ.ಟಿ.ಎಂ. - ನಾಶಿಕಾ ಸಂವೇದನಾ ಪರಿಷ್ಕರಣಾ ಕೇಂದ್ರ
ICMR - National Institute of Traditional Medicine
ಕರ್ನಾಟಕ ಸರ್ಕಾರ, ಆರೋಗ್ಯ ಸಂಶೋಧನೆ
Department of Health Research, Govt. of India
ಫಿ.ಆರ್.ಐ.ಟಿ.ಎಂ. - ನಾಶಿಕಾ ನೆಹರು ನಗರ, ಬೆಲಗಾವಿ 590010



Biological E. Limited

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

Certified that the Project work & Training titled “**Manufacturing of Recombinant Hep-B bulk Antigen**” and “**Techniques adopted for Production of Recombinant Hep-B bulk antigen**” has been carried out by Mr Tejaswakumar, SRN 01FE18BBT052, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from 13th January 2022 to 18th May 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he has completed the Project work & Training satisfactorily.

We wish him all the best.

For BIOLOGICAL E. LTD.,

Srinivasan Keshav Pagadala

General Manger – Human Resources



Biological E. Limited

Date: 18th May 2022

TO WHOMSOEVER IT MAY CONCERN

Certified that the Project work & Training titled "**Manufacturing of Acellular Pertussis Vaccine Using Bordetella Pertussis by the combination of column purified Pertussis Toxin, Filamentous Hemagglutinin**" and "**Pertactin and Techniques Adopted in the Production of Acellular Pertussis Vaccine**" has been carried out by Mr Abhishek, SRN 01FE16BRT002, a bonafide student of Department of Biotechnology, KLE Technological University, Hubballi from 13th January 2022 to 18th May 2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he has completed the Project work & Training satisfactorily.

We wish him all the best.

For BIOLOGICAL E. LTD.,

Srinivasan Keshav Pagadala

General Manger – Human Resources



Dr. Shruthi SD

+91 94827 74014

+91 80733 69271

services@bioedgesolutions.com

sdshruthi@gmail.com

1st floor, M-400, 8th cross, 1st Stage

Peenya Industrial Area, Bangalore 560058



No: BES/CER/73/22-23 June 9th, 2022

CERTIFICATE

Certified that the Project work titled "Isolation and identification of cellulose degrading bacteria from food waste " has been carried out by Ronak Shetty, SRN 01FE16BBT039, a bonafide student of the Department of Biotechnology, KLE Technological University, Hubballi from 17/01/2022 to 31/05/2022 in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the KLE Technological University, Hubballi during the year 2022-23.

It is certified that, he/she has completed the Project work satisfactorily.

Authorized Signatory

For BioEdge Solutions


Proprietress

Date: 09-06-2022

Biosyl



**BIOSYL TECHNOLOGIES
PRIVATE LIMITED**

Biosyl Technologies Private Limited
Ground Floor, R.H Kulkarni Building
B V Bhoomaraddi College of Engg and Technology
Vidyanagar, Hubli - 580031
Karnataka, India
biosyltechnologies@gmail.com

Ref.No2022-23/HRD-70

Date:06/06/2022

CERTIFICATE

This is to certify that *Ms. Nameera R Managooli* from KLE Technological University, Hubballi has worked as an *Intern* at our Company for a period from 4th January 2022 to 31st May 2022. We wish her success in all her endeavours.

For Biosyl Technologies Pvt. Ltd

Director

Sarah D'souza

K.L.E SOCIETY'S

KLE TECHNOLOGICAL UNIVERSITY HUBBALLI - 580031



Department/School Of

CERTIFICATE

This is to certify that research on "**InSilico analysis of Vp4 protein causing pathogenesis in rotavirus and its interaction studies**" is a bonafide work carried out by the student, in partial fulfillment of the award of Degree of Bachelor of Engineering in Biotechnology during the year 2021-22. The research thesis has been approved as it satisfies the academic requirement with respect to the research work prescribed for the above said program.

Guide: Dr Uday Muddapur

Head of School/HOD:
Dr. Basavraj Hungund

External Viva:

Name of Examiner

1. Dr. D. M. Muddapur
2. Dr. Jagadeesh Bhat

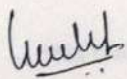
Signature

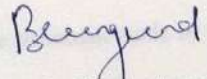
2/2/22
online.

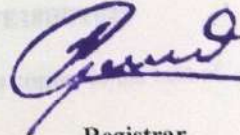
K.L.E.Society's
KLE Technological University
Department of Biotechnology

**Certificate**

This is to certify that the REU project work titled " **In-silico molecular docking and simulation studies of protein HBx involved in pathogenesis of HBV** " is a bonafide work carried out by **Krithika C**, in partial fulfillment for the award of degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.


Guide/Co-Guide



Head of Department
(Dr. B.S. Hungund)


Registrar
(Dr. N.H. Ayachit)

Name of the examiners

1. Dr. H. M. Muddapur.
2. Dr. Jagadeesh Bhat

Signature with date

 2/2/2022
online

K.L.E.Society's
KLE Technological University
Department of Biotechnology



KLE Tech. CREATING VALUE
LEVERAGING KNOWLEDGE

Certificate

Certified that the REU project work titled "**In-silico approach in targeting SARS-CoV-2 virus protein Mpro using fungal metabolites**" is a bonafide work carried out by **Shrikanth**, in partial fulfillment for the award of the degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.

Guide/Co-Guide
Dr. U. M. Muddapur

Head of Department
(Dr. B.S. Hungund)

Registrar
(Dr. N.H. Ayachit)

Name of the examiners
date

1. U M Muddapur.
2. Dr Jagadeesh Bhat

Signature with

2/2/22
online

K.L.E.Society's
KLE Technological University
Department of Biotechnology



KLE Tech. CREATING VALUE
LEVERAGING KNOWLEDGE

Certificate

Certified that the REU project work titled "**In-silico identification of Novel drug targets against *Pseudomonas aeruginosa* by subtractive genomics and molecular docking studies**" is a bonafide work carried out by **Aakanksha U K**, in partial fulfillment for the award of degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.

Guide
Dr. Zabin K. Bagewadi

Head of Department
Dr. B.S. Hungund

Registrar
Dr. N.H. Ayachit

Name of the examiners

1. Dr. Sikandar Mulla
2. Dr. Zabin K. Bagewadi

Signature with date

26/01/22

K.L.E. Society's
KLE Technological University
Department of Biotechnology



KLE Tech. CREATING VALUE
LEVERAGING KNOWLEDGE

Certificate

Certified that the REU project work titled "Genome mining of *Bacillus licheniformis* strain ZBM15 for secondary metabolites against novel drug targets in *Micrococcus luteus* by subtractive genomics approach and molecular dynamics" is a bonafide work carried out by Ankita S. Kamalapurkar, in partial fulfillment for the award of degree of Bachelor of Engineering for VII semester in Biotechnology during the year 2021-22. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.

Guide

(Dr. Zabin K. Bagewadi)

Head of Department

(Dr. B.S. Hungund)

Registrar

(Dr. N.H. Ayachit)

Name of the examiners

1. Dr. Sikandar Mulla
2. Dr. Zabin K. Bagewadi

Signature with date

26/01/22

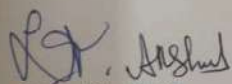
K.L.E.Society's
KLE Technological University
Department of Biotechnology



KLE Tech. CREATING VALUE
LEVERAGING KNOWLEDGE

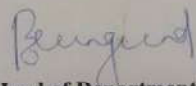
Certificate

Certified that the REU project work titled "**Green Synthesis of Zinc Oxide Nanoparticles using *Raphanus sativus* leaf extract, its Characterization, and Biotechnological Applications**" is a bonafide work carried out by **ROSHAN SHAREEFSAHEB NADAF**, in partial fulfillment for the award of the degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.


Guide/ Co-Guide

Dr. Laxmikant R. Patil

Prof. Anil R. Shet



Head of Department

Dr. B.S. Hungund



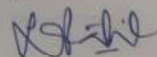
Registrar

Dr. N.H. Ayachit

Name of the examiners
date

1. Dr. L. R. Patil
2. Dr. Seema. Patel

Signature with



← ON LINE MODE →

K. L. E. Society's
KLE Technological University
Department of Biotechnology

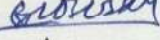



KLE Tech. CREATING VALUE
LEVERAGING KNOWLEDGE

Certificate

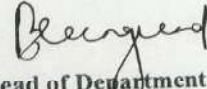
Certified that the REU project work titled "**Immobilization of Pectinase and Its Characterization**" is a bonafide work carried out by **Akhila Yallappa Olekar**, in partial fulfillment for the award of degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.

Guide/Co-Guide

Dr S V Desai 

Prof Anil Shet 

Prof Sharanappa A


Head of Department

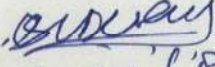
Dr B S Hungund



Registrar

Dr N H Ayachit

Name of the examiners

1. Dr S V Desai 
2. Dr Seena J Patel (Online mode)

Signature with date

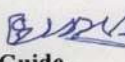
K.L.E.Society's
KLE Technological University Department of Biotechnology

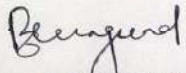


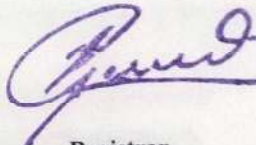
KLE Tech
CREATING VALUE
LEVERAGING KNOWLEDGE

Certificate

Certified that the REU project work titled "Microbial population dynamics and diversity in sorghum-based traditional fermented food Nucchhu Ambli" is a bonafide work carried out by Shivani Desai, in partial fulfillment for the award of the degree of Bachelor of Engineering for VII semester in Biotechnology during the year 2021-22. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.


Guide/Co-Guide
Dr. V. S. Hombalimath
Dr. S. V. Desai


Head of Department
(Dr. B.S. Hungund)


Registrar
(Dr. N.H. Ayachit)

Name of the examiners

- 1.
- 2 Dr. Prashant S. J (online).

Signature with date

K.L.E SOCIETY'S

KLE TECHNOLOGICAL UNIVERSITY HUBBALLI - 580031

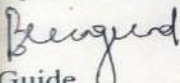


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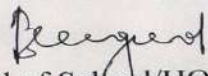
Department/School Of Biotechnology

CERTIFICATE

This is to certify that research on "Studies On Immobilization Of Halophilic Protease Producing Bacteria And Their Environmental Applications" is a bonafide work carried out by the student, in partial fulfillment of the award of Degree of Bachelor of Engineering in Biotechnology engineering during the year 2020-21. The research thesis has been approved as it satisfies the academic requirement with respect to the research work prescribed for the above-said program.


Guide
Dr. B. S. Hungund



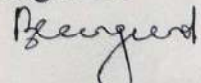

Head of School/HOD
Dr. B. S. Hungund

External Viva:

Name of Examiner

1. Dr. B. S. Hungund
2. Dr. Chetan. J. D.
KVU

Signature


on-line Assessment

K.L.E.Society's
KLE Technological University

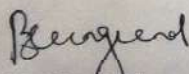


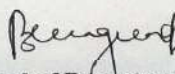
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Department/School of Biotechnology

Certificate

Certified that the REU project work titled " **In Silico Analysis of Staphyloxanthin Pigment from *Staphylococcus aureus* and its Interaction Studies** " is a bonafide work carried out by **B. Priyanka** , in partial fulfillment for the award of degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.


Guide/Co-Guide
(Dr. B.S. Hungund)

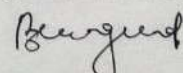

Head of Department
(Dr. B.S. Hungund)


Registrar
(Dr. N.H. Ayachit)

Name of the examiners

1. Dr. B. S. Hungund
2. Dr. Chetan J.D
KUP. Karnataka

Signature with date


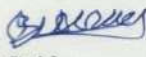

on-line Assessment.

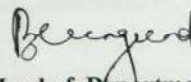
K.L.E.Society's
KLE Technological University
Department of Biotechnology

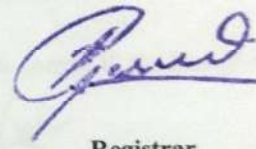


Certificate

Certified that the REU project work titled " Effects of Microbial Fermentation on Nutritional Profile of Sorghum Based Traditional Food- *Nucchu Ambli*" is a bonafide work carried out by **Priyanka A Gadadavar**, in partial fulfillment for the award of the degree of **Bachelor of Engineering for VII semester in Biotechnology** during the year **2021-22**. It is certified that all the corrections/ suggestions indicated for the internal assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements prescribed for the Bachelor of Engineering Degree.



Guide/Co-Guide
Dr. V.S. Hombalimath
Dr. S.V. Desai


Head of Department
(Dr. B.S. Hungund)


Registrar
(Dr. N.H. Ayachit)

Name of the examiners

1. V. S. Hombalimath
2. Dr. P. Ashantha & J. (Outside marks)

Signature with date

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



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A Internship Project Report on

**APPLICATION OF BIM FOR VANI VILAS APARTMENT, HOSUR
CROSS, HUBLI**

Submitted in partial fulfillment of the requirements for the degree of
Bachelors of Civil Engineering

Submitted by

Roll No.	SRN	Team Members
122	01FE18BCV027	JAY SHRIKANT KOTYAL
103	01FE18BCV006	AMOGHVARSH J PATIL
118	01FE18BCV021	B. GAGANDEEP
240	01FE18BCV352	CHINMAY J PATTENSHETTY
255	01FE19BCV415	CHETAN HOSPET

Under the guidance of

Mr. MANJUNATHGOUDA PATIL

Assistant Professor

School of Civil Engineering

KLE Technological University

Hubballi-580031



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University

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Vidyanagar, Hubballi – 580031, Karnataka, India

SCHOOL OF CIVIL ENGINEERING

2021-2022

CERTIFICATE

This is to certify that the Internship Project work entitled **Application of BIM for Vani Vilas Apartment, Hosur cross, Hubli** is a work carried out by Mr./Ms. **Jay Shrikant Kotyal** SRN: **01Fe18BCV027**, a bonafide student of K L E Technological University, in partial fulfillment for the award of Bachelor of Civil Engineering degree, for 8th semester during the year 2021-2022. The Capstone / Internship Project Report has been approved as it satisfies the academic requirements in respect of Capstone / Internship Project work prescribed for the above said degree.

Guide

Prof. Manjunathgouda Patil

HOS

Dr. M.V. Chitawadagi

Registrar

Dr. N. H. Ayachit

External Viva

Name of the examiners

1. Prof. Priema Malali
2. Dr. V. G. M. Desai

Signature with date

9/5/22

9/5/22

SCHOOL OF CIVIL ENGINEERING
KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI – 580031



A Industrial Project Report on

**INVESTIGATING AND OVERCOMING MATERIAL
MANAGEMENT PROBLEMS FACED BY CONSTRUCTION
COMPANY BY USING DIFFERENT INVENTORY TECHNIQUES
AND MANAGEMENT SOFTWARE**

Submitted in partial fulfillment of the requirements for the
degree of Bachelors of Civil Engineering

Submitted by

Team No.	Roll No.	SRN	Team Members
06	139	01FE18BCV065	Sushmita Huggi
	238	01FE18BCV115	Shivakumar G
	243	01FE19BCV403	Ainapure Ajinkya
	244	01FE19BCV404	Akash N S
	252	01FE19BCV412	Sanjeev Madiwalar
	270	01FE19BCV430	K Vishal

Under the guidance of

Prof. SHIVARAJ HALYAL

School of Civil Engineering
KLE Technological University
Hubballi-580031

CERTIFICATE



It is certified that the Industry Project conducted for *Life Cycle Assessment and Life Cycle Costing of the Residential Building (Judge Quarters) located in Navalgund Taluk of Dharwad District*, is a bonafide work carried out by **Team No. 9** in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide

Dr. Shashibushan Biliangadi


HoS

Prof. M. V. Chitawadagi


Registrar

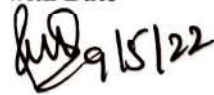
Dr. N. H. Ayachit

Examiners

Name of Examiners

Signature with Date

1. Mr/Dr/Prof Prema Malali
2. Mr/Dr/Prof Dr. V. G. M. Desai


9/15/22


9/15/22

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



A Industry Project report on

*Life Cycle Assessment and Life Cycle Costing of the Residential Building
(Judge Quarters) located in Navalgund Taluk of Dharwad District*

Industry Project Report submitted in the partial fulfillment of the requirement
for the degree of Bachelors of Civil Engineering

Submitted by

Name	SRN
Rahul S Chougala	01FE18BCV048
Chetan Managooli	01FE18BCV016
Prashant S Chalageri	01FE18BCV041
Manu R Handral	01FE18BCV353

Under the guidance of

Dr. Shashibhushan Biliangadi

**School of Civil Engineering
KLE Technological University
Hubballi - 580031 (India)**

School of Civil Engineering
KLE Technological University

Hubballi-580031

CERTIFICATE



It is certified that the Industrial Project conducted for “**INVESTIGATING AND OVERCOMING MATERIAL MANAGEMENT PROBLEMS FACED BY CONSTRUCTION COMPANY BY USING DIFFERENT INVENTORY TECHNIQUES AND MANAGEMENT SOFTWARE**” is a bonafide work carried out by Team No.06 in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide

Prof. Shivaraj Halyal


HoS

Dr M. V. Chitawadagi


Registrar

Dr. N. H. Ayachit

Examiners

Name of Examiners

1. Prof. Prema Malali
2. Dr. V. G. M. Desai

Signature with Date





An Industry Project Report on

FACTORS AFFECTING LABOUR PRODUCTIVITY IN INDIAN CONSTRUCTION INDUSTRY

Submitted in partial fulfillment of the requirements for the degree of
Bachelors of Civil Engineering

Submitted by

Team No.	Roll No.	SRN	Team Members
9	215	01FE18BCV085	Sahana Patil
	217	01FE18BCV088	Zaheen Fatima Kittur
	220	01FE18BCV093	Srireshma A

Under the guidance of

Prof.Gurunath Kampli

Assistant Professor/Associate Professor/Professor



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School of Civil Engineering

KLE Technological University

Hubballi-580031

CERTIFICATE



It is certified that the Industrial Project conducted for “**FACTORS EFFECTING LABOUR PRODUCTIVITY**” is a bonafide work carried out by Team No.09 in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry project prescribed for the said degree.


Guide

Prof. Gurunath Kampli


HoS

Prof. M. V. Chitawadagi


Registrar

Dr. N. H. Ayachit

Examiners

Name of Examiners

Signature with Date

1. Prema Malali
2. Dr. V. G. M Desai

 9/15/22
 9/15/22

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



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A Industry Project report on

*Life Cycle Assessment and Life Cycle Costing of the Residential Building
(Judge Quarters) located in Navalgund Taluk of Dharwad District*

Industry Project Report submitted in the partial fulfillment of the requirement
for the degree of Bachelors of Civil Engineering

Submitted by

Name	SRN
Rahul S Chougala	01FE18BCV048
Chetan Managooli	01FE18BCV016
Prashant S Chalageri	01FE18BCV041
Manu R Handral	01FE18BCV353

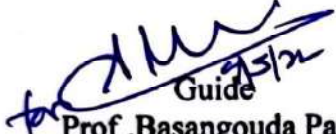
Under the guidance of
Dr. Shashibhushan Biliangadi

**School of Civil Engineering
KLE Technological University
Hubballi - 580031 (India)**

CERTIFICATE



It is certified that the Industry Project conducted for "Seismic analysis of multistoried building with soft story resting on sloping ground" is a bonafide work carried out by Keerthi M A (01FE18BCV029) of Team No. 23 in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide
9/5/22
Prof. Basangouda Patil

HoS
Prof M. V. Chitawadagi


Registrar

Examiners

Name of Examiners

Signature with Date

- 1 Prof. Anu Kumar CS
- 2 Prof. Basavaraj. Gudalohanna


9/5/22
B.n.s

A Industry Project Report on

**SEISMIC ANALYSIS OF MULTISTORIED BUILDING
WITH SOFTSTORY RESTING ON SLOPING
GROUND**

Submitted in partial fulfillment of the requirements for the degree of
Bachelors of Civil Engineering

Submitted by

Team No.	Roll No.	SRN	Team Members
23	124	01FE18BCV029	Keerthi M Angadi
	184	01FE18BCV045	Praveen D Savalgi
	132	01FE18BCV052	Rutik M Halimani
	143	01FE18BCV070	Vishwa V Patil

Under the guidance of

Prof . Basangouda Patil



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School of Civil Engineering
KLE Technological University
Hubballi-580031

School of Civil Engineering
KLE Technological University
Hubballi-580031

CERTIFICATE



It is certified that the Industry Project conducted for *Life Cycle Assessment and Life Cycle Costing of the Residential Building (Judge Quarters) located in Navalgund Taluk of Dharwad District*, is a bonafide work carried out by **Team No. 9** in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide

Dr. Shashibushan Biliangadi


HoS

Prof M. V. Chitawadagi


Registrar

Dr. N. H. Ayachit

Examiners

Name of Examiners

Signature with Date

1. Mr/Dr/Prof *Prema malali*


9/17/22

2. Mr/Dr/Prof *V. G. M. Desai*


9/15/22

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



An Industry Project report on

RISK MANAGEMENT IN HIGH RISE BUILDING

Industry Project Report submitted in the partial fulfillment of the requirement for the degree of Bachelors of Civil Engineering

Submitted by Team-10

NAME	SRN
Dhirajkumar G. Patil	01FE18BCV001
Samarth N. Shyadaguppi	01FE18BCV053
Shreyas	01FE18BCV059
Tejas Shettar	01FE18BCV077

under the guidance of

Prof. Gurunath Kampli

**School of Civil Engineering
KLE Technological University
Hubballi - 580031 (India)**



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University

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INDUSTRY PROJECT 2021-2022



KLE Technological
University

Creating Value
Leveraging Knowledge

Vidyanagar, Hubballi – 580031, Karnataka, India

SCHOOL OF CIVIL ENGINEERING
2021-2022

CERTIFICATE

This is to certify that the Industry Project work entitled “**RISK MANAGEMENT IN HIGH RISE BULIDING**” is a work carried out by **Mr.DHIRAJKUMAR G. PATIL**, SRN:01FE18BCV001, a bonafide student of K.L.E Technological University, in partial fulfillment for the award of Bachelor of Civil Engineering degree, for 8th semester during the year 2021-2022. The Industry Project Report has been approved as it satisfies the academic requirements in respect of Industry Project work prescribed for the above said degree.

Guide

Prof. Gurunath Kampli

HoS

Dr. M.V. Chitawadagi

Registrar

Dr. N. H. Ayachit

External Viva

Name of the examiners

1. Prof. Prema Malali
2. Dr. V.G.M. Desai

Signature with date

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



An Industry Project report on
**STUDY ON PARTIAL REPLACEMENT OF FINE
AGGREGATE BY STEEL SLAG WITH ADDITION OF
STEEL SCRAP FIBER IN CONCRETE**

is submitted in the partial fulfillment of the requirement for
the degree of Bachelor of Civil Engineering

Submitted by Team-07

Name	SRN
Sawan V Navale	01FE18BCV055
Shishir A R	01FE18BCV056
Parvez Aalam N Dharwad	01FE18BCV421
Ashish B V	01FE19BCV405

Under the guidance of
Dr. M. V. Chitawadagi

**School of Civil Engineering
KLE Technological University
Hubballi - 580031 (India)**

**School of Civil Engineering
KLE Technological University
Hubballi-580031**

CERTIFICATE



It is certified that the Industry Project conducted for “Automatic Monitoring of Curing Temperature and Prediction of Strength of Concrete by Regression Analysis” is a bonafide work carried out by Team No. 8 in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.



Guide

Prof. Shivaraj Halyal



HOS

Dr. M.V. Chitawadagi



Registrar

Dr. N. H. Ayachit

Examiners

Name of the examiners

1. Basavaraj Guladhallanur
(External)

Signature with date



2. Arun Kumar es
(Internal)



KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI - 580031



KLE Technological
University

Creating Value
Leveraging Knowledge

An Industry Project report on
**AUTOMATIC MONITORING OF CURING
TEMPERATURE AND PREDICTION OF
STRENGTH OF CONCRETE BY REGRESSION
ANALYSIS**

is submitted in the partial fulfillment of the requirement for
the degree of Bachelor of Civil Engineering

Submitted by Team-08

Name	SRN
Vinayalaxmi Shanbhag	01FE18BCV102
Vishal Patil	01FE18BCV428
Prasad Hiremath	01FE19BCV402
Yashkumar Patil	01FE19BCV413
Sayed Sufiyan Ahmed	01FE19BCV421

under the guidance of
Prof. Shivaraj Halyal
School of Civil Engineering
KLE Technological University
Hubballi - 580031 (India)

School of Civil Engineering
KLE Technological University
Hubballi-580031

CERTIFICATE



It is certified that the Industry Project conducted for “**STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE BY STEEL SLAG WITH ADDITION OF STEEL SCRAP FIBER IN CONCRETE**” is a bonafide work carried out by **Team No. 07** in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide

Dr. M.V. Chitawadagi



HOS

Dr. M.V. Chitawadagi

Registrar

Dr. N. H. Ayachit

Name of the examiners

1. 
2. 

Signature with date


9/5/22



KLE TECHNOLOGICAL UNIVERSITY
HUBBALLI - 580031



KLE Technological
University
Creating Value
Leveraging Knowledge

A Industry Project Report on
**"USE OF BIM(BUILDING INFORMATION
MODELING)DESIGN TO ENHANCE
COMPONENT OF CONSTRUCTION WORKERS
AND USERS SAFETY"**

Submitted in partial fulfillment of the requirements for
the degree of Bachelors of Civil Engineering

Submitted by

TEAM NO	R.NO	USN	TEAM MEMBERS
05	211	01FE18BCV080	SAGAR.S.A
	212	01FE18BCV082	SAHANA
	227	01FE18BCV101	POORNIMA.P.HUGAR
	241	01FE18BCV354	SPURTHI CHIMMALAGI
	263	01FE19BCV423	PAVANKUMAR.D.R

Under the guidance of

Prof.Manjunathgouda Patil


Mr.Pradeep.M.Hulkund

School of Civil Engineering
KLE Technological University
Hubballi-580031 (India)


CERTIFICATE



It is certified that the Industry Project conducted for “**USE OF BIM(BUILDING INFORMATION MODELING) DESIGN TO ENHANCE COMPONENT OF CONSTRUCTION WORKERS AND USERS SAFETY**” is a bonafide work carried out by **Team No. 05** in partial fulfilment of the requirements for the award of **Bachelor of Engineering** degree in the **Civil Engineering** of the **KLE TECHNOLOGICAL UNIVERSITY**, Hubballi during the year **2021-2022**. The report has been approved as it satisfies the academic requirements in respect of Internship Project prescribed for the said degree.

Guide 
Prof. Manjunathgouda Patil


HoS
Dr. M. V. Chitawadagi


Registrar
Dr. N. H. Ayachit

Examiners

Name of Examiners

Signature with Date

1.

2.





CERTIFICATE



It is certified that the Design Project conducted for “ACCURACY ANALYSIS OF DRONE SURVEYS V/S CONVENTIONAL METHOD OF SURVEY” is a bonafide work carried out by Ms. Adarsha Shiragur (01FE18BCV108) of Team No.03 in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in the Civil Engineering of the KLE TECHNOLOGICAL UNIVERSITY, Hubballi during the year 2021-2022. The report has been approved as it satisfies the academic requirements in respect of Industry Project prescribed for the said degree.


Guide

Prof. Vithal.H.Jadhav

HOS

Prof M. V. Chitawadagi

Registrar

Examiners

Name of Examiners

Signature with Date

1. Prema Malali
2. Dr. V.G. Mutalik Desai

 9/5/22
 9/5/22

KLE TECHNOLOGICAL UNIVERSITY,

HUBBALLI - 580 031.



KLE Technological
University
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INDUSTRY PROJECT REPORT ON
“ACCURACY ANALYSIS OF DRONE SURVEYS V/s
CONVENTIONAL METHOD OF SURVEY”

(For land of K.L.E Medical College and Hospital at Gabbur village in Hubballi Taluk)

Submitted in partial fulfillment of the requirements for the degree of
Bachelors of Civil Engineering

Submitted by **Team No. 3**

Roll No.	Team Members	SRN
232	Adarsha Shiragur	01FE18BCV108
234	Deepa Dharmasing Rathod	01FE18BCV110
235	Deepa	01FE18BCV111
251	Mahantesh Kalawad	01FE19BCV411
259	Iranna Tukaram Kunigeri	01FE19BCV419

Under the guidance of

Prof.Vithal .H. Jadhav

School of Civil Engineering

KLE Technological University, Hubballi-580031(India)

KLE TECHNOLOGICAL UNIVERSITY

HUBBALLI- 580031



A Industrial Project Report on

**Response of Red brick, Cellular lightweight
blocks (CLC blocks), AAC brick, Fly Ash brick
densities on multi-storeyed buildings.**

Project Report submitted in the partial fulfilment of the requirement
for the degree of Bachelors of Civil Engineering

Submitted by Team-04

Roll No	Name	USN
154	Md Huzaifa S Hullur	01FE18BCV036
186	Rohit V Hosamani	01FE18BCV051
256	Shreedevi vaddodagi	01FE19BCV416
264	Aishwarya Yadav	01FE19BCV424

Under the guidance of

Dr. M. R. Patil

School of civil Engineering KLE Technological University

Hubballi-580031(India)

Regd. Office & Factory : 72-76, MUNDHWA, PUNE-411 036 (INDIA)

Tel : (020) 26708100, Fax : (020) 26871612 E-mail : info@shirke.co.in

Website : www.shirkegroup.com CIN : U45201PN1994PTC077340



Address of the Site:

IIT-Dharwad Project,

Kelageri, Chikkamalligewad Village,

Pune-Bengaluru Road, Opp. High Court,

Dharwad 580 011

Email: bgs1425@shirke.co.in / bgs531@shirke.co.in

Ref: BGSCTPL/IIT-D/INTERNSHIP/HR/2021-22/272

Date: 28th March'2022

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Ms. Vinayalaxmi Shanbhag bearing USN 01FE18BCV102 studying in VIII Semester, Department of Civil Engineering of KLE Technological University, Vidyanagar, Hubballi - 580 031 has successfully completed her internship-based project work in B. G. Shirke Construction Technology Pvt. Ltd. from 15th January'2022 to 28th March'2022 at our Construction of CPWD - Indian Institute of Technology Dharwad at Dharwad.

This is done in fulfilment of the requirements for the degree of Bachelor of Engineering in Civil Engineering.

She was very sincere & hard working in her internship-based project work and was up to the expectations. We wish her all the best for her future endeavors.

For B.G. Shirke Construction Technology Pvt Ltd.,

B G Sangale
Dy. Chief Executive.



Copy to:

HOD, Department of Civil Engineering, KLE Technological University, Hubballi - 31

Regd. Office & Factory : 72-76, MUNDHWA, PUNE-411 036 (INDIA)

Tel : (020) 26708100, Fax : (020) 26871612 E-mail : info@shirke.co.in

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IIT-Dharwad Project,
Kelageri, Chikkamalligewad Village,
Pune-Bengaluru Road, Opp. High Court,
Dharwad 580 011
Email: bgs1425@shirke.co.in / bgs531@shirke.co.in

Ref: BGSCTPL/IIT-D/INTERNSHIP/HR/2022-23/268

Date: 1st April 2022

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Vishal Patil bearing USN 01FE18BCV428 studying in VIII Semester, Department of Civil Engineering of KLE Technological University, Vidyanagar, Hubballi – 580 031 has successfully completed his internship-based project work in B. G. Shirke Construction Technology Pvt. Ltd. from 15th January'2022 to 28th March'2022 at our Construction of CPWD - Indian Institute of Technology Dharwad at Dharwad.

This is done in fulfilment of the requirements for the degree of Bachelor of Engineering in Civil Engineering.

He was very sincere & hard working in his internship-based project work and was up to the expectations. We wish him all the best for his future endeavors.

For B.G. Shirke Construction Technology Pvt Ltd.,

B G Sangale
Dy. Chief Executive.



Copy to:

HOD, Department of Civil Engineering, KLE Technological University, Hubballi – 31

Regd. Office & Factory : 72-76, MUNDHWA, PUNE-411 036 (INDIA)

Tel : (020) 26708100, Fax : (020) 26871612 E-mail : info@shirke.co.in

Website : www.shirkegroup.com CIN : U45201PN1994PTC077340



Address of the Site:
IIT-Dharwad Project,
Kelageri, Chikkamalligewad Village,
Pune-Bengaluru Road, Opp. High Court,
Dharwad 580 011
Email: bgs1425@shirke.co.in / bgs531@shirke.co.in

Ref: BGSCTPL/IIT-D/INTERNSHIP/HR/2021-22/269
Date: 28th March'2022

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Prasad Hiremath bearing USN 01FE19BCV402 studying in VIII Semester, Department of Civil Engineering of KLE Technological University, Vidyanagar, Hubballi – 580 031 has successfully completed his internship-based project work in B. G. Shirke Construction Technology Pvt. Ltd. from 15th January'2022 to 28th March'2022 at our Construction of CPWD - Indian Institute of Technology Dharwad at Dharwad.

This is done in fulfilment of the requirements for the degree of Bachelor of Engineering in Civil Engineering.

He was very sincere & hard working in his internship-based project work and was up to the expectations. We wish him all the best for his future endeavors.

For B.G. Shirke Construction Technology Pvt Ltd.,

B G Sangale
Dy. Chief Executive.



Copy to:
HOD, Department of Civil Engineering, KLE Technological University, Hubballi – 31

Regd. Office & Factory : 72-76, MUNDHWA, PUNE-411 036 (INDIA)

Tel : (020) 26708100, Fax : (020) 26871612 E-mail : info@shirke.co.in

Website : www.shirkegroup.com CIN : U45201PN1994PTC077340



Address of the Site:

IIT-Dharwad Project,

Kelageri, Chikkamalligewad Village,

Pune-Bengaluru Road, Opp. High Court,

Dharwad 580 011

Email: bgs1425@shirke.co.in / bgs531@shirke.co.in

Ref: BGSCTPL/IIT-D/INTERNSHIP/HR/2021-22/276

Date: 28th March'2022

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Yashkumar Patil bearing USN 01FE19BCV413 studying in VIII Semester, Department of Civil Engineering of KLE Technological University, Vidyanagar, Hubballi – 580 031 has successfully completed his internship-based project work in B. G. Shirke Construction Technology Pvt. Ltd. from 15th January'2022 to 28th March'2022 at our Construction of CPWD - Indian Institute of Technology Dharwad at Dharwad.

This is done in fulfilment of the requirements for the degree of Bachelor of Engineering in Civil Engineering.

He was very sincere & hard working in his internship-based project work and was up to the expectations. We wish him all the best for his future endeavors.

For B.G. Shirke Construction Technology Pvt Ltd.,

B G Sangale
Dy. Chief Executive.



Copy to:

HOD, Department of Civil Engineering, KLE Technological University, Hubballi – 31

Regd. Office & Factory : 72-76, MUNDHWA, PUNE-411 036 (INDIA)

Tel : (020) 26708100, Fax : (020) 26871612 E-mail : info@shirke.co.in

Website : www.shirkegroup.com CIN : U45201PN1994PTC077340



Address of the Site:

IIT-Dharwad Project,
Kelageri, Chikkamalligewad Village,
Pune-Bengaluru Road, Opp. High Court,
Dharwad 580 011
Email: bgs1425@shirke.co.in / bgs531@shirke.co.in

Ref: BGSCTPL/IIT-D/INTERNSHIP/HR/2021-22/271

Date: 28th March'2022

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Mr. Sayed Sufiyan Ahmed Betgeri bearing USN 01FE19BCV421 studying in VIII Semester, Department of Civil Engineering of KLE Technological University, Vidyanagar, Hubballi – 580 031 has successfully completed his internship-based project work in B. G. Shirke Construction Technology Pvt. Ltd. from 15th January'2022 to 28th March'2022 at our Construction of CPWD - Indian Institute of Technology Dharwad at Dharwad.

This is done in fulfilment of the requirements for the degree of Bachelor of Engineering in Civil Engineering.

He was very sincere & hard working in his internship-based project work and was up to the expectations. We wish him all the best for his future endeavors.

For B.G. Shirke Construction Technology Pvt Ltd.,

B G Sangale
Dy. Chief Executive.



Copy to:

HOD, Department of Civil Engineering, KLE Technological University, Hubballi – 31

Ref. No.

Date:

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Anant Ratan** bearing **USN:01FE19BCV425** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.



B. MAHESH

(Structural Engineer)

Ref. No

Date

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Ajay Kabadi** bearing **USN:01FE19BCV406** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.




B. MAHESH

(Structural Engineer)

Ref. No.

Date :

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Abhay Bewoor** bearing **USN:01FE19BCV401** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.



B. MAHESH

(Structural Engineer)

Ref. No

Date

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Parasaraddi T. A** bearing **USN:01FE19BCV409** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.





B. MAHESH

(Structural Engineer)

01st April, 2022.

TO WHOM IT MAY CONCERN

CERTIFICATE OF SUMMER INTERNSHIP

Ms. Srireshma A student of KLE Technological Univeristy, Hubballi did internship at Shapoorji Pallonji Real Estate, Bengaluru for the period from 20th January 2022 to 28th March, 2022.

We wish all the very best in future endeavors.

Yours sincerely,

For Shapoorji Pallonji Real Estate Private Limited,



Jayasimha Haresmudram,
Assistant General Manager – HR & Admin.

01st April, 2022.

TO WHOM IT MAY CONCERN
CERTIFICATE OF SUMMER INTERNSHIP

Ms. Zaheen Fatima Kittur student of KLE Technological Univeristy, Hubballi did internship at Shapoorji Pallonji Real Estate, Bengaluru for the period from 20th January 2022 to 28th March, 2022.

We wish all the very best in future endeavors.

Yours sincerely,

For Shapoorji Pallonji Real Estate Private Limited,



Jayasimha Haresmudram,
Assistant General Manager – HR & Admin.

01st April, 2022.

TO WHOM IT MAY CONCERN
CERTIFICATE OF SUMMER INTERNSHIP

Ms. Sahana Patil student of KLE Technological Univeristy, Hubballi did internship at Shapoorji Pallonji Real Estate, Bengaluru for the period from 20th January 2022 to 28th March, 2022.

We wish all the very best in future endeavors.

Yours sincerely,

For Shapoorji Pallonji Real Estate Private Limited,



Jayasimha Haresmudram,
Assistant General Manager – HR & Admin.

Ref. No.

Date :

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Hruthik Patil** bearing **USN:01FE18BCV083** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.




B. MAHESH

(Structural Engineer)

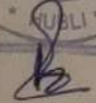
Ref. No

Date

INTERNSHIP CERTIFICATE

This is to certify that **Miss. Megha Lokare** bearing **USN: 01FE18BCV096** has completed her internship training program in our company from **12th January 2022 to 31st March 2022**. She has visited various ongoing projects in and around Hubballi and she has gained good practical knowledge during her internship. During her internship, we found her sincere, hardworking and result oriented. We wish her success in her future studies and career.




B. MAHESH

(Structural Engineer)

Ref No

Date

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Prashant Kali** bearing **USN:01FE18BCV086** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.



B. MAHESH

(Structural Engineer)

Ref. No

Date

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Malatesh Balami** bearing **USN:01FE18BCV100** has completed his internship training program in our company from **12th January 2022** to **31st March 2022**. He has visited various ongoing projects in and around Hubballi and he has gained good practical knowledge during his internship. During his internship, we found him sincere, hardworking and result oriented. We wish him success in his future studies and career.



B. MAHESH

(Structural Engineer)