



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**

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**Students Project Details**

**2022-23**

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The Oxford College of Engineering  
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## Students Internship Details

2022-23

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**Students Field Visit Details**

**2022-23**

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**Students Social Connect and Responsibility Details**

**2022-23**

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**Students Mini Project Details**

**2022-23**

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## THE OXFORD COLLEGE OF ENGINEERING


Hosur Road, Bommanahalli, Bengaluru – 560068  
(Affiliated To Visvesvaraya Technological University, Belagavi)


### Department of Computer Science and Engineering



### CERTIFICATE

Certified that the project work phase-2 entitled "VANET IOT BASED ACCIDENT DETECTION AND MANAGEMENT IN SMART CITIES" carried out by Bhoonika R (IOX19CS020), Deepak N(10X19CS027), G Bhargav Teja (10X19CS032), Meghana G (10X19CS051), bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022- 2023. The Project work Phase-2 report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

  
**Dr. R. Raghu**  
Project Guide  
Dept of CSE, TOCE

  
**Dr. R. Ch. A. Naidu**  
Professor and HOD  
Dept of CSE, TOCE  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU - 560 068

  
**Dr. N. Kannan**  
Principal  
TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

#### External Viva

Name of the Examiner

1. Dr. E. Saravane Kumar
2. Manjividyia John

Signature with Date




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Skeletal Bone Age Assessment using CNN

**THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



**CERTIFICATE**

Certified that the project work entitled "SKELETAL BONE AGE ASSESSMENT USING CNN" carried out by **CHANDANA V(10X19IS021)**, **CHINCHU SUNIL(10X19IS022)**, **DEEKSHA M(10X19IS025)**, **GANESH SRI PRASAD K B (10X19IS030)**, bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi, during the year **2022-2023**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

*[Signature]*  
**Dr. R Kanagavalli**

Professor & HOD

Dept. of ISE

**Dr. R. KANAGAVALLI**  
PROFESSOR & HOD-ISE

The Oxford College Of Engineering  
Bommanahalli, Hosur Main Road,  
Bangalore 560 068.

*[Signature]*  
**Dr. R Kanagavalli**

Professor & HOD

Dept. of ISE

**Dr. R. KANAGAVALLI**  
PROFESSOR & HOD-ISE

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*[Signature]*  
**Dr. N Kannan**

**PRINCIPAL**  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road,  
Bangalore 560 068.

INTERNAL EXAMINER- *[Signature]*

EXTERNAL EXAMINER- *[Signature]*



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**THE OXFORD COLLEGE OF ENGINEERING**

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Department of Electronics & Communication Engineering



**CERTIFICATE**

Certified that the Project work entitled "A Versatile Speaking System for Anyone with Communication Difficulties Based on Hand Gestures" carried out by P PALAKSHA (IOX19EC052), PRAJWAL N (IOX19EC055), PRANANYA M (IOX19EC056), SUHAS J REDDY (IOX19EC081) bonafied students of The Oxford College of Engineering, Bengaluru in partial fulfilment for the award of the Degree of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Guide

Dr. A Christoph Jiji  
Asso. Professor  
Dept. of ECE, TOCE

External Viva

Name of the Examiners

1. Dr. Manjunath
2. Dr. Pavaneshwara M.R

HOD

Dr. Manju Devi  
Professor and HOD

Professor & HOD of ECE Engineering

The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068

Principal

Dr. N Kannan  
TOCE

PRINCIPAL

The Oxford College of Engineering

Bommanahalli, Hosur Road

Bangalore - 560 068

Signature \_\_\_\_\_  
Date \_\_\_\_\_





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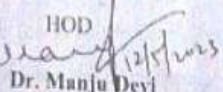
Department of Electronics & Communication Engineering





**CERTIFICATE**


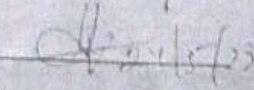
Certified that the Project work entitled "A Versatile Speaking System for Anyone with Communication Difficulties Based on Hand Gestures" carried out by **P PALAKSHIA (IOX19EC052), PRAJWAL N (IOX19EC055), PRANANYA M (IOX19EC056), SUHAS J REDDY (IOX19EC081)** bonafied students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Guide   
12/05/2023  
Dr. A. Chrispin Jiji  
Asso. Professor  
Dept. of ECE, TOCE

HOD   
Dr. Manju Devi  
Professor and HOD  
Department of ECE Engineering  
The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068

Principal   
Dr. N. Kannan  
TOCE  
**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068  
Signature 

Name of the Examiners

1. 
2. Dr. Pavaneshtulas M C 



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2022-2023

**CERTIFICATE**

Certified that the technical project titled "DESIGN AND DEVELOPMENT OF SMART FOOT DEVICE FOR WOMEN SAFETY" carried out by Ms. GREESHMA CP (10X19EE007), Ms. RAKSHITHA C (10X19EE023), Ms. RITHIKA SHARON R (10X19EE024), Ms. SMITHA DM (10X19EE032) bonafide students of the Branch Electrical and Electronics Engineering, 8<sup>th</sup> semester in partial fulfillment for the award of Bachelor of Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2022-2023. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The technical project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Bachelor of Engineering degree.

*R. ch*

**SIGNATURE OF SEMINAR  
IN-CHARGE**

**Mrs. M RAICHEL RUBY**  
Assistant Professor  
Dept of EEE, TOCE

*Shumb*

**SIGNATURE OF HOD**

**Dr. V S BHARATH**  
Professor & HOD  
Dept of EEE, TOCE  
Professor & Head EEE

*V. J. Gal*

**SIGNATURE OF PRINCIPAL**

**Dr. N KANNAN**  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

**NAME OF THE EXAMINERS**

- Mr. Gopaleth*
- Dr. Bharath V-S*

**SIGNATURE**

*Shumb*  
25/5/23



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**DEPARTMENT OF MECHANICAL ENGINEERING**

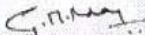


**CERTIFICATE**

Certified that the project work entitled "FABRICATION OF ADAPTIVE LIGHT SYSTEM USING ARDUINO NANO FOR AUTOMOBILE APPLICATIONS" has been carried out by Mr. MOHAMMED ARSALAN MULLA (10X19ME010), MOHAMMED YUNUS FARDEEN (10X19ME012), SYED IFTIQR AHMED (10X19ME020), YATENDER TEOTIYA (10X19ME022) a bonafide students at THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of the degree of Bachelor of Engineering in Mechanical Engineering under the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to technical Project Work prescribed for the said degree.

  
Mr. Anup M Upadhyaya

Asst Professor

  
Dr. Madhu Sudana Reddy G

PROFESSOR & HEAD  
DEPARTMENT OF MECHANICAL ENGINEERING  
HOD, Dept. of ME  
THE OXFORD COLLEGE OF ENGINEERING  
BOMMANAHALLI, BANGALORE-560068

External Viva

  
Dr. N Kannan

Principal, TOCE

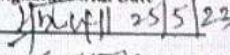

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Name of the Examiners

1. MUSEEB
2. Dr. Madhu Sudana Reddy G

Signature with Date

 25/5/23  




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**DEPARTMENT OF BIOTECHNOLOGY**



**CERTIFICATE**

This is to certify that the Internship entitled "Pharma Industrial Exposure Training" carried out by Chaithra Shree P (IOX19BT006), Ganashree L (IOX19BT008), Harika R (IOX19BT009) and Inchara K S (IOX19BT013), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the Visvesvaraya Technological University, Belagavi, during the academic year 2022 - 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The phase 1 project report has been approved as it satisfies the academic requirements in respect of phase 1 project work prescribed for the said degree.

Signature of Guide  
Ms. Ramya  
Assistant Professor  
Dept. of Biotechnology

DR. B. K. MANJUNATHA  
Signature of Head  
Dept. of Biotechnology  
The Oxford College of Engineering  
Professor & Head  
Bengaluru - 560 068.  
Dept. of Biotechnology

**External Viva**

1.

2.

**Signature with date**



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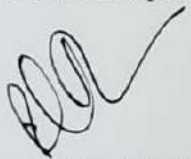
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**DEPARTMENT OF CIVIL ENGINEERING**

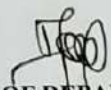
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& Affiliated to VTU, Belagavi)



**CERTIFICATE**

This is to certify that the report on Project Phase-2 entitled "**HIGH QUALITY CONCRETE USING PHOTOVOLTAIC PANELS**" has been successfully carried out by, **AKSHAYKUMAR(10X18CV005),SANGAMESH(10X18CV036),TIMMAYYA(10X18 CV046), ABHISHEK PATIL ( 10X19CV002)** are bonafide students of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfilment for award of **Bachelor of Engineering**, in **CIVIL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belagavi, during for the academic year 2022-23. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Project Work phase -2 prescribed for B.E Degree.

  
**UNDER THE GUIDANCE**  
Mrs. Gayathri R  
Assistant Professor & Guide  
Dept. of Civil Engineering

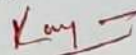
  
**HEAD OF DEPARTMENT**  
Mr. T. S. MALLESIAH  
Head of the Department  
Professor & Hod  
Department of Civil Engineering  
The Oxford College of Engineering  
Bangalore - 560 068.

  
**PRINCIPAL**  
DR. N KANNAN  
PRINCIPAL

**Name of The External Viva Examiner**

**Signature with date**

- 1) Kanya S K
- 2) Supriya A

  
24/5/23



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BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068  
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Department of Mechatronics Engineering



**CERTIFICATE**

Certified that the Project work entitled "ArmEx" is a bonafide work carried out by, Abhijeet V Jadhav (10X19MT001), Shankar Utturi (10X19MT019), Sharath E (10X20MT405) and Somesh S Ghatage (10X19MT021). It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

*Signature*  
22/5/2023

Signature of Guide  
Dr Manjula C  
DEPT OF MTE

*Signature*  
22/5/2023

Signature of HOD  
Dr Manjula C  
DEPT OF MTE  
Prof. & HOD

Department of Mechatronics  
The Oxford College Of Engineering  
Bommanahalli, Bangalore - 560 068.

*Signature*  
22/5/2023

Signature of Principal  
Dr N Kannan

TOCE  
PRINCIPAL

The Oxford College of Engineering  
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Bengaluru-560 068

Name of the Examiners:

1. Dr. Manjula C

2. Dr. Devarajaiya Am

Signature with Date

*Signature*  
23/5/2023

*Signature*  
23.05.23



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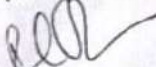
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BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068  
(Affiliated to VTU and approved by AICTE)

Department of Civil Engineering



**CERTIFICATE**

This is to certify that the project entitled "Retrofitting for RCC structure resting on the Sloping ground" is a bonafide project work carried out by Ms. SUMAYYA FARNAZ K (USN: 10X21CSE12) in partial fulfillment for the award of MASTER OF TECHNOLOGY in STRUCTURAL ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-23. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the dissertation accordingly. The report has been approved as it satisfies the academic requirements required for the M Tech degree.

  
Guide

Mrs. Gayathri R  
Assistant Professor,  
Dept. of Civil Engg, TOCE

  
HOD

Head of the Department  
Department of Civil Engineering  
The Oxford College of Engineering  
Bangalore - 560 068.

  
PRINCIPAL

Dr. N. Kannan

TOCE

PRINCIPAL

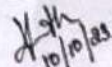
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

Name of Examiners

Internal

1) Dr. Vathsala.

2) R Gayathri

  
10/10/23



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### CERTIFICATE

This is to certify that the project entitled "Seismic Performance of Vertical Irregular Buildings" is a bonafide project work carried out by **DHANYASHREE G BHANDARKAR (USN: 10X21CSE02)** in partial fulfillment for the award of **MASTER OF TECHNOLOGY** in **STRUCTURAL ENGINEERING** under **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year **2022-23**. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the dissertation accordingly. The report has been approved as it satisfies the academic requirements required for the M Tech degree.

Guide

Mr. Shivanand C.G

Assistant Professor

Dept. of Civil Engg, TOCE

HOD

Dr. Malleshaiah T. S

Head of the Department

Dept. of Civil Engg, TOCE

Department of Civil Engineering

The Oxford College of Engineering

Bangalore - 560 068.

PRINCIPAL

Dr. N. Kannan

PRINCIPAL

Oxford College of Engineering

Bommanahalli, Hosur Road

Bengaluru-660 068

Name of Examiners

Internal

External

1) Shivanand.C.G

2/11/23

2) Shivakumar K S

2/11/23





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Date:  
9<sup>th</sup> June 2023

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**CERTIFICATE**

This is to certify that Ms. **FIRDOSE FATHIMA** (USN: 10X21BA013) from **THE OXFORD COLLEGE OF ENGINEERING**, Bommanahalli, Bengaluru - 560068, has successfully completed her project at **MARKSMEN DIGI TECHNOLOGIES PVT LTD.** In the field of finance from 25<sup>th</sup> April 2023 to 9<sup>th</sup> June 2023.

We wish her success in her life and career.

Yours faithfully,

**MARKSMEN DIGI TECHNOLOGIES PVT LTD.**



Place: Bengaluru

MARKSMEN DIGI TECHNOLOGIES PVT LTD.

Authorized Signatory  
Authorized Signatory


No. 601, 6th Floor, Sakta Manor APT, 1st Cross, 8th Krishnappa Layout, Shampur, Bengaluru, Karnataka,  
INDIA - 560032. E-mail : markamondigitech@gmail.com Website : www.markamondigitech.com .  
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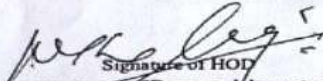


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### CERTIFICATE

This is to certify that **FIRDOSE FATHIMA** bearing USN: 10X21BA013, is a bonafide student of Master of Business Administration course of the Institute (Batch 2021-23) affiliated to Visvesvaraya Technological University, Belgaum. The Project report on "A STUDY ON FINANCIAL PLANNING AND FORECASTING IN MARKSMEN DIGI TECHNOLOGIS PVT LTD" is prepared by her under the guidance of **Dr. HARISH N**, Department of MBA in partial fulfilment of the requirement for the award of the Degree of Master of Business Administration of Visvesvaraya Technological University, Belgaum, Karnataka.

  
Signature of Internal Guide

  
Signature of HOD  
HOD, Dept. of Business Administration  
The Oxford College of Engineering,  
Bommanahalli, Hosur Road  
Bangalore 560 068

  
Signature of Principal  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

For Viva Voce

- 1)
- 2)



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**Department of Master of Computer Applications,**

**The Oxford College of Engineering**

10th Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068

**CERTIFICATE**

This is to certify that SURAKSHA H has completed his/her final semester project work Title "Vehicle Breakdown Assistance Management System" as a partial fulfillment for the award of Master of Computer Applications degree, during the academic year 2022-2023 under our joint supervision.

*M.N.S*  
*26/7/23*  
Signature of Internal Guide

Mrs. Liya Nairu  
Assistant Professor  
Dept of MCA  
The Oxford College Of Engineering

*Dr. P. J. S.*  
Head of the Department

*Dr. P. J. S.*  
Department of MCA  
The Oxford College of Engineering  
Hosur Road, BANGALORP -

Examiner: - Name and Signature

1.

2.

*K. Kasthuri*  
Signature of External Guide

Ms. Kasthuri  
Tecteti  
Software Engineer  
Bangalore

*Dr. N. Kaman*  
Principal  
PRINCIPAL

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068



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**Department of Computer Science and Engineering**



**CERTIFICATE**

Certified that the internship entitled "TECH ENHANCEMENT AND UPGRADE PROJECT" carried out by **Komal Sharma (10X19CS045)**, bonafied student of **The Oxford College of Engineering, Bangalore** in partial fulfillment for the award of the Degree of **Bachelor of Engineering in Computer Science and Engineering** of **Visvesvaraya Technological University, Belagavi** during the year 2022-2023. This is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements in respect to the internship work.

  
**Mrs. Shruthi K Reddy**  
Internship Guide

  
**Dr. R. Ch. A. Naidu**  
Professor and H.O.D  
DEPT. OF CSE  
HEAD OF THE DEPARTMENT  
DEPT. OF COMPUTER SCIENCE AND ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU - 560 068

  
**Dr. N Kannan**  
Principal, TOCE  
PRINCIPAL  
Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560068

**External Viva**

Name of the Examiners

Signature with Date

1. 



2. 



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



## CERTIFICATE

Certified that the Internship Project Work entitled "E-Commerce Website with Chatbot" carried out by Sonali Gupta (10X19IS112), bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Internship Project Work prescribed for the said Degree.

*[Signature]*  
Prof. Kavya K R

Asst. Prof, Dept. of ISE

*[Signature]*  
Dr. R. Kanagavalli

Prof & Head, Dept. of ISE

**Dr. R. KANAGAVALLI**  
**PROFESSOR & HOD-ISE**

Oxford College of Engineering,  
Bommanahalli, Hosur Main Road,  
Bengaluru-560 068.

*[Signature]*  
Dr. N. Kannan

Principal, TOCE

**PRINCIPAL**

The Oxford College of Engineering,  
Bommanahalli, Hosur Road  
Bengaluru-560 068

Internal Examiner: *[Signature]*

External Examiner: *[Signature]*



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Date - 22/07/2022

### Certificate of Internship

This is to certify that Mr/Ms Annappa Gowda (1OX19EC005) has done his/her Full Stack Web Development Internship in Compssoft Technologies, RajajiNagar, Bangalore, from 19th June 2022 to 24th July 2022.

He/She has worked on a project titled Store my results. This project was aimed at creating a cutting edge website for a client of ours, As part of the project, he/she designed functional webpages, Backend Databases to collect, store, and sort data, by understanding the design briefs and client Specifications that were provided in the Proposal.

During the internship, he/she demonstrated good design skills with a self-motivated attitude to learning new things. His/Her performance exceeded expectations and was able to complete the project successfully on time, We wish him/her all the best in his/her future endeavours.

Warm regards,



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



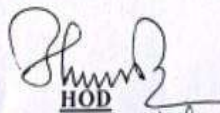
2022-2023

**CERTIFICATE**


Certified that internship work titled " A STUDY ON MANUFACTURING OF SOLAR CELLS AND SOLAR MODULES " carried out by LIKHITH R , USN 10X19EE013 , a bonafide student of the Branch Electrical and Electronics Engineering , 8<sup>th</sup>. Semester in partial fulfillment for the award of Bachelor of Engineering at THE OXFORD COLLEGE OF ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI for the year 2022-2023 .It is certificated that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The seminar report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said of Bachelor of Engineering degree.

  
Internship Guide

Mrs. RESNA S R  
Assistant professor  
Dept of EEE.

  
HOD

22/5/23  
Professor & Head EEE  
The Oxford College of Engg  
Bommanahalli, Hosur Road  
Bangalore-560 068

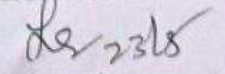
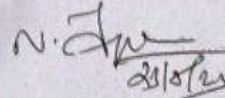
  
Principal

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068  
DR. N. KANNAN  
Principal, EEE

NAME OF THE EXAMINER  
WITH DATE

- 1) Dr. Shival Kumar
- 2) JAYAKUMAR N

SIGNATURE



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HR/2022-23  
19-10-2022

**CERTIFICATE**

This is to certify that Mr. Likhith R. BE from Electrical & Electronics Engineering, The Oxford College of Engineering, Bangalore has carried project study on "MANUFACTURING OF SOLAR CELL AND SOLAR MODULES" in Module Engineering department at Tata Power Solar Systems Limited, Bangalore between 01-09-2022 to 30-09-2022. During the internship he has shown keen interest and was actively engaged in the assignment.

We wish Likhith all success in his future endeavors.

Thanking you,

For TATA POWER SOLAR SYSTEMS LIMITED,

Vadhavathi V  
Business HR & IR



**TATA POWER SOLAR**

Tata Power Solar Systems Limited  
28, Electronics City, Phase I, Hosur Road, Bangalore 560100, India  
Corporate Office: Tata Power Corporate Centre, 34, Sant Tukaraj Road, Central Bunder, Mumbai 400076  
CIN: LAC10BAH1000PLC190734 Tel: +91 80 6177 1200 Email: info\_solar@tatapower.com Website: www.tatapowersolar.com





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**CERTIFICATE OF ACCOMPLISHMENT**

This is to certify that

**MOHAMMED SAFILLAH**

**[USN 10X19ME023]**

has successfully completed  
Internship Programme


Period : 29 Aug 22 - 23 Sept 22



Nandi Vishwavidyalaya  
Nandi Toyota  
46/3A, Kudlu Gate, 7th Mile  
Hosur Road, Bengaluru - 560 068

INV/IS/11/2022



  
Dr Tharish Koshy  
Dean  
Nandi Vishwavidyalaya  
24 Sept 2022



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30<sup>th</sup> SEP 2022

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This is to certify that Ms. CHAITHIRA SHREE P (USN:10X19BT006), B.E *Biotechnology* student of, THE OXFORD COLLEGE OF ENGINEERING BANGALORE has undergone her Internship at Stericon Pharma Private limited, Bangalore for a period of 3 Weeks from 02/09/2022 to 30/09/2022

During her stay she had exposure to Production, Engineering , Quality control , Quality Assurance and Stores Departments of Eye/Ear Drops and Contact Lens Cleaning Solution.

We wish her the best in her future endeavour

for Stericon Pharma Private Limited

*Rahmath Ulla M.*

Rahmath Ulla M  
Production Head



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30<sup>th</sup> SEP 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. GANASHREE L (USN:10X19BT008), B.E. Biotechnology student of THE OXFORD COLLEGE OF ENGINEERING BANGALORE has undergone her Internship at Stericon Pharma Private limited, Bangalore for a period of 3 Weeks from 02/09/2022 to 30/09/2022

During her stay she had exposure to Production, Engineering, Quality control, Quality Assurance and Stores Departments of Eye/Ear Drops and Contact Lens Cleaning Solution.

We wish her the best in her future endeavour

for Stericon Pharma Private Limited

*Rahmath Ulla M*

Rahmath Ulla M  
Production Head





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(BANGALORE METRO RAIL CORPORATION LIMITED)

ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ, 3ನೇ ಮಹಡಿ, ಕೆ.ಎಂ.ರೋಡ್, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು - 560 027, ಇಂಡಿಯಾ

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Bangalore - 560 027 INDIA

No: BMRL/CE (PM)/Internship/Certificate/2022-23

08<sup>th</sup> November 2022

**TO WHOM-SO-EVER IT MAY CONCERN**

\*\*\*\*

This is to certify that Ms. LAVANYA C (10X19CV016) student studying in B.E, 4th Year, (Civil Engineering) of The Oxford College of Engineering, Bangalore has completed her Internship Training Programme in Bangalore Metro Rail Corporation Ltd., (BMRL) from 20.08.2022 to 20.09.2022 under the guidance of Mr. Subrat Kumar Nayak, Assistant Executive Engineer (Phase-2B-Package-1), BMRL.

We wish her successful career and bright future ahead.

(M. Srinivas)  
Chief Engineer (PM)



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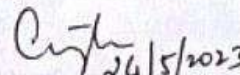
**Department of Mechatronics Engineering**

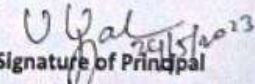


**CERTIFICATE**

This is to certify that the Internship was carried out by Sanjay Kumar(1OX19MT018) at Reliance Diamond Tools in partial fulfilment of the requirements for the award of a Bachelor of Engineering degree in Mechatronics Engineering from the Visvesvaraya Technological University, Belagavi, during the period of 2022-23. All corrections and suggestions provided during the Internal Assessment have been incorporated into the report that has been deposited in the Department Library. The Project report has been approved, as it meets the academic requirements prescribed for the said degree.

  
Signature of Guide  
Mrs. Seema V  
DEPT OF MTE

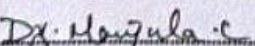
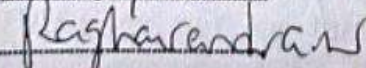
  
Signature of HOD  
Dr Manjula C  
DEPT OF MTE

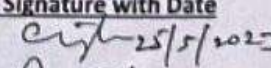
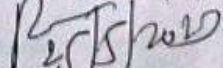
  
Signature of Principal  
Dr N Kannan  
TOCE  
PRINCIPAL

Prof. & HOD  
Department of Mechatronics  
The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

Name of the Examiners:

- 1) 
- 2) 

Signature with Date  
  
25/5/2023  




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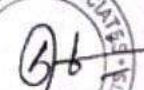
Department of Civil Engineering

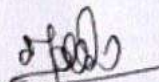


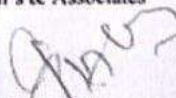
**CERTIFICATE**

This is to certify that the Internship work on "ANAYASIS AND DESIGN OF G+2 RESIDENTIAL BUILDING" is a bonafide work carried out by Mr. CHARAN M KUDTARKAR (USN: 10X21CSE01) in partial fulfillment for the award of MASTER OF TECHNOLOGY in STRUCTURAL ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-23. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the dissertation accordingly. The Internship report has been approved as it satisfies the academic requirements required for the M. Tech degree.

  
**Internal Guide**  
Mr. Shivanand C G  
Assistant Professor  
TOCE

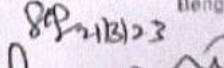
  
**External Guide**  
Mr. Prashant  
Technical Director  
Simon's & Associates

  
**Head of the Department**  
Dr. Malleshiah S  
Department of Civil Engineering  
Dept. of Civil Engg., TOCE  
The Oxford College of Engineering  
Bangalore - 560 068.

  
**Principal**  
Dr. N. Kannan  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068

**Name of Examiners**  
1) Shivanand.C.G  
2) Dr. RAVENDRA.P.M

**External Viva**

  
21.03.23

**Signature**



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Department of Civil Engineering

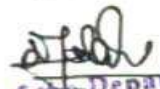


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This is to certify that the Internship report entitled "**Analysis And Design Of Multi-Level Car Parking Building**" is a bonafide work carried out by **Ms. Ramya R K (USN: 10X21CSE10)** in partial fulfillment for the award of **MASTER OF TECHNOLOGY** in **STRUCTURAL ENGINEERING** under **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year **2022-23**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the dissertation accordingly. The internship report has been approved as it satisfies the academic requirements required for the M. Tech degree.

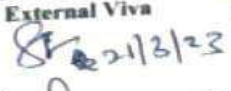
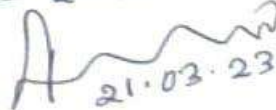
  
**Internal Guide**  
Mr. Shivanand C G  
Assistant Professor  
TOCE

  
**PRAMOD T. K. M.TECH**  
(REGD. STRUCTURAL ENGINEER)  
REG NO: BCCL/BL-3.6/SE-0013/21-22  
964130473/pramod@krpdesign.in  
**External Guide**  
Mr. Pramod T K  
Managing Director  
KRP Design And Infra Solutions

  
**Head of Department**  
Dr. Malleshiah  
Department of Civil Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road, Bangalore - 560 068.

  
**Principal**  
Dr. N. Kannan  
Principal, **TOCE**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

- Name of Examiners**
- 1) Shivanand.C.G
  - 2) DR. RAVENDRA.PM

**External Viva**  
  
21/3/23  
  
21.03.23



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## CERTIFICATE

### SIMONS AND ASSOCIATES

Architects, Engineers (Civil), Interior Designers & Valuers

8-752, 7th Floor, South Block,

Mangal Centre,

Doddenahalli Road, Bangalore - 42

Ph: 080 25599627

E-mail: simonsassociates@rediffmail.com  
simons\_associates@yafree.com

Ref: 22SB12EC098

Date: 13.12.2022

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. CHARAN M KUDTARKAR, student bearing USN: 10X21CSE01 is pursuing his Master of Technology (M.Tech) at The Oxford College of Engineering, Bommanahalli, Bangalore has completed internship under this firm from 21<sup>st</sup> October 2022 to 28<sup>th</sup> November 2022.

During this period of his internship, He was exposed to Structural Design of G+2 storeyed building and construction site, inspection of rebar as per structural drawing and practical problems faced during construction and has shown a good amount of punctuality, hard work and willingness to learn. We wish him all the best for his future.

For SIMONS AND ASSOCIATES

  
PRASHANTH DEVADIGA





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This is to certify that **PREETHAM. R** bearing USN: 10X21BA048, is a bonafide student of Master of Business Administration course of the Institute (Batch 2021-23), affiliated to Visvesvaraya Technological University, Belgaum. The Internship report on **ROYAL ENFIELD** ( Acclaim Motors) is prepared by her under the guidance of **Mrs. A SAHANA**, Associate Professor, Department of MBA in partial fulfillment of the requirement for the award of the Degree of Master of Business Administration of Visvesvaraya Technological University, Belgaum, Karnataka.

*A. Sahana*  
Signature of Internal Guide

*[Signature]*  
Signature of HOD  
HOD, Dept. of Business Administration  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore 560 068  
For Viva Voce

*[Signature]*  
Signature of Principal  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

- 1) *[Signature]*
- 2) *Suneetha*



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**ROYAL ENFIELD**

To whomsoever it may concern

CERTIFICATE

This is to certify that **Preetham R**, USN no: **IOX21BA048**, a 3<sup>rd</sup> Semester MBA student at **The Oxford College of Engineering, Hosur Road, Bengaluru**, has successfully completed his dissertation titled "**Marketing Strategies**" at, **ACLAIM MOTORS Pvt Ltd, YELAHANKA** under the guidance of **Mr. S Madhu** (HR Manager) and team for a period of four weeks starting from 17/10/2022 to 20/11/2022 for our entire satisfaction.

During the period of his internship program with us, he has been exposed to different departments / process and has demonstrated his skills with self-motivation to learn new skills.

He is amiable in nature and of good character.

We wish him success in upcoming career.

Warm Regards

  
S Madhu  
(HR, Acclaim Motors Pvt Ltd)



**ACCLAIM MOTORS PVT LTD**

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+91 9663 52605/11, sales@acclaimmotors.com

Service Center : # 61, 1st Main Road, Sundari Layout  
Jakkur Road, Yelahanka, Bangalore - 560 064  
+ 91 9632 851188, service@acclaimmotors.com

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INTERNSHIP TRAINING

## Certificate of Training

**CHANDRA MOHAN MAHTO**

from The Oxford College of Engineering has successfully completed a 6-week online training on Programming with Python. The training consisted of Introduction to Python, Using Variables in Python, Basics of Programming in Python, Principles of Object-oriented Programming (OOP), Connecting to SQLee Database, Developing a GUI with PyQT, Application of Python in Various Disciplines, and The Final Project modules.

CHANDRA MOHAN scored 90% marks in the final assessment and is a top performer in the training.

We wish CHANDRA MOHAN all the best for future endeavours.

Suresh Agarwal

CLONES & CEO INTERNSHIP

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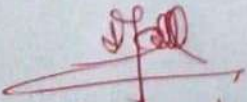


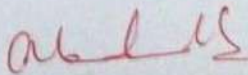
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This is to certify that the report on topic entitled " EXTENSIVE SURVEY PROJECT" has been successfully carried out by **MOHAN G V 10X20CV006** student of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for award of **Bachelor of Engineering**, in **CIVIL ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi** during for academic year 2022-2023. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Extensive survey project for B E Degree.

  
**UNDER THE GUIDANCE**  
**Dr. T S MALLESHIAH**  
Assistant professor & Guide  
Dept. of Civil Engineering

  
**Head of the Department**  
**HEAD OF DEPARTMENT**  
**Department of Civil Engineering**  
**Dr. T S MALLESHIAH**  
**The Oxford College of Engineering**  
Professor & HOD  
Bangalore - 560 068,  
Dept. of Civil Engineering

  
24/1/23



17/1/23



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This is to certify that the report on topic entitled " EXTENSIVE SURVEY PROJECT" has been successfully carried out by **KEERTI 10X20CV004** student of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for award of **Bachelor of Engineering**, in **CIVIL ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi** during for academic year 2022-2023. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Extensive survey project for B E Degree.

  
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**Dr. T S MALLESHIAH**  
Assistant professor & Guide  
Dept. of Civil Engineering

  
**HEAD OF DEPARTMENT**  
**Dr. T S MALLESHIAH**  
Department of Civil Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road, Bangalore - 560 068



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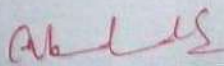
**CERTIFICATE**

This is to certify that the report on topic entitled "EXTENSIVE SURVEY PROJECT" has been successfully carried out by **RANJITH GOWDA S (10X20CV009)** student of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for award of **Bachelor of Engineering**, in **CIVIL ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belagavi, during for the academic year 2022-23. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Extensive Survey project prescribed for B.E Degree.

  
**Head of the Department**  
**Department of Civil Engineering**  
**Dr. T S MALLESHAIAH**  
**The Oxford College of Engineering**  
**Bangalore - 560 068**  
Assistant Professor and Guide  
Department of Civil Engineering

  
**HEAD OF DEPARTMENT**  
**Dr. T S MALLESHAIAH**

  
**17/7/23**

  
**12/7/23**



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This is to certify that the report on topic entitled "EXTENSIVE SURVEY PROJECT" has been successfully carried out by NAGARAJA M L(10X20CV007) student of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for award of **Bachelor of Engineering**, in **CIVIL ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi** during for academic year 2022-2023. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Extensive survey project for B E Degree.

UNDER THE GUIDANCE  
Dr. T S MALLESHIAH  
Assistant professor & Guide  
Dept. of Civil Engineering

Head of the Department  
DRAD ODUMBA  
The Oxford College of Engineering  
Bangalore-560 068.  
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17/7/23

12/12/22



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certify that **K Prathik, Kartik M, Mohammad Sarwat Hassnain Alam Khan** bearing USN **10X21CS061, 10X21CS063, 10X21CS085** respectively of Computer Science and Engineering department have satisfactorily submitted the activity phase-1 report entitled **“SOCIAL CONNECT AND RESPONSIBILITIES”**, Prithvi group, in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of **Visvesvaraya Technological University, Belagavi** during the year **2022-2023**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library.

  
**Ms. Shruthi K Reddy**  
Professor, Dept. of CSE  
The Oxford College of Engineering  
Bangalore

  
**Dr. R. Ch. A Naidu**  
Head of Department  
Dept of CSE  
The Oxford College of Engineering  
Bangalore







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Social connect and responsibility

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



2022-2023

**CERTIFICATE**

This is to certify that G R Impana(10X21EE004), of 3<sup>rd</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering have successfully completed the course of programs in Social Connect and Responsibility prescribed by Visvesvaraya Technological University, Belagavi in the year 2022-23

**Faculty In Charge**

**Mrs. Nisha C Rani**

Assistant Professor

Dept of EEE, TOCE

*Dr. V S Bharath*  
**HOD**  
**Dr. V S Bharath**

Professor and HOD

Dept of EEE, TOCE  
Professor & Head EEE  
The Oxford College of Engg  
Bommanahalli, Hosur Road  
Bangalore-560 068

**Name of the Examiners**

1. Mrs. Nisha C Rani
2. Mrs. Raichel Ruby M

*Nisha C Rani*  
11/4/23

*Ruby*  
11/4/23



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Bommanahalli, Hosur Road, Bangalore - 560 068.  
Ph: 080-61754601/602, Fax: 080 - 25730551  
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**THE OXFORD COLLEGE OF ENGINEERING**

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068  
(Affiliated to VTU and approved by AICTE accredited by NAAC and NBA)


**DEPARTMENT OF MECHANICAL ENGINEERING**

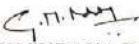


2022-2023

**CERTIFICATE**

This is to certify that **PREETHAM .P (10X21ME012)**, of 3rd semester, Bachelor of Engineering in the course of **Mechanical Engineering** at **The Oxford College of Engineering** have successfully completed the course of programs in **Social Connect and Responsibility** prescribed by **Visvesvaraya Technological University, Belagavi** in the year 2022-23.



  
**Dr. RAVI PRAKASH.M**  
ASSOCIATE PROFESSOR

  
**Dr. MADHU SUDANA REDDY.G**



PROFESSOR & HEAD  
DEPARTMENT OF MECHANICAL ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING

  
**Dr. N KANNAN**  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068

NAME OF THE EXAMINERS

1.  Dr. Vidyadhar.P
2.  Dr. Prasad.H. Nayak

SIGNATURE

 12/1/17  
 12/4/23



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**THE OXFORD COLLEGE OF ENGINEERING**  
**DEPARTMENT OF BIOTECHNOLOGY**



Hosur Road, Bommanahalli, Bangalore- 560068

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi &

Affiliated to VTU, Belagavi)

**CERTIFICATE**

Certified that the report entitled "SOCIAL CONNECT AND RESPONSIBILITY" carried out by four students : ADITHYA B Y (10X21BT001) bonafide student of **THE OXFORD COLLEGE OF ENGINEERING BENGALURU** in partial fulfilment for the award of degree of Bachelor of Engineering in biotechnology of the Visvesvaraya Technological University, Belagavi, for the academic year 2022 – 2023.

  
**UNDER THE GUIDANCE**

**Ms. Salma Kausar**  
Assistant professor & guide  
Dept. of Biotechnology

  
**HEAD OF THE DEPARTMENT**

**Dr. B K Manjunatha**  
Professor & HOD  
Dept. of Biotechnology  
Professor & Head  
Department of Biotechnology  
The Oxford College of Engineering  
Bengaluru-560 068

**Name of The Examiners:**

1. 
2. 

**Signature**

1. 
2. 



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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**THE OXFORD COLLEGE OF ENGINEERING**  
**DEPARTMENT OF CIVIL ENGINEERING**



Hosur Road, Bommanahalli, Bangalore-560068  
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Affiliated to VTU, Belagavi)

**CERTIFICATE**

Certified that the report entitled "SOCIAL CONNECT AND RESPONSIBILITY" carried out by four students : Akash BM (10X21CV003) bonafide student of THE OXFORD COLLEGE OF ENGINEERING BENGALURU in partial fulfillment for the award of Degree of Bachelor of Engineering in civil Engineering of the Visvesvaraya Technological University, Belagavi, for the academic year 2022-23 .

<p style="text-align: center;"><i>Harshitha</i></p> <p><b>UNDER THE GUIDANCE</b> <b>Ms. Harshitha N</b> Assistant Professor &amp; Guide Dept. of Civil Engineering</p>	<p style="text-align: center;"><i>T S Malleishiah</i></p> <p><b>HEAD OF DEPARTMENT</b> <b>Mr. T S MALLESHIAH</b> Professor &amp; Hod Dept. of Civil Engineering <b>Head of the Department</b> <b>Department of Civil Engineering</b> <b>The Oxford College of Engineering</b> <b>Bangalore - 560 068.</b></p>
--	---

<p>Name of the Examiners</p> <p>1. <u>Kavya SC</u></p> <p>2. <u>Prashanth.T.S</u></p>	<p>Signature with Date</p> <p><u>Kavya</u> 12/30/23</p> <p><u>Prashanth</u> 12/4/23</p>
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SHOT ON POCO X3

ii



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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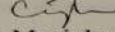
Department of Mechatronics Engineering



**CERTIFICATE**

Certified that the report entitled "SOCIAL CONNECT AND RESPONSIBILITY" carried out by **Amin Faraz Ahmed (IOX21MT002)** bonafide student of **THE OXFORD COLLEGE OF ENGINEERING, BENGALURU** in partial fulfilment for the award of Degree of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belagavi, for the academic year 2022-23.

  
Mr. Jaideep R  
Asst. Professor

  
Dr. Manjula C  
HOD  
Prof. & HOD  
Department of Mechatronics  
The Oxford College Of Engineering  
Bommanahalli, Bangalore - 560 068.


  
Dr. Kannan  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068


Name of the Examiners

1. JAIDEEP R

2. SEEMA V

Signature with Date

 6/4/23

 6/4/23



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**THE OXFORD COLLEGE OF ENGINEERING**

Hasur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Artificial Intelligence and Machine Learning



**CERTIFICATE**

Certified that the report entitled **SOCIAL CONNECT AND RESPONSIBILITY- 21SCR36** carried out by **PUNITH KUMAR KS** with **USN-10X21AI030** bonafide student of The Oxford College of Engineering, Bengaluru in partial fulfilment for the award of Degree of Bachelor of Engineering in Artificial Intelligence and Machine Learning of the Visvesvaraya Technological University, Belagavi, for the academic year 2022-23.

  
10/4/23

**Prof. Parvathi S**  
Asst. Professor

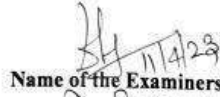
  
10/4/23

**Dr. P. Baidhu Madhavi**  
Professor & Head



**Dr. N Kannan**  
Principal, TOCE  
PRINCIPAL

HEAD OF THE DEPARTMENT  
DEPARTMENT OF AIML  
THE OXFORD COLLEGE OF ENGINEERING  
Bommanahalli, Hosur Road  
Bengaluru-560068

  
11/4/23

Name of the Examiners

1. Dr. Suganya
2. Dr. P. Baidhu Madhavi

  
Signature with Date 11/4/23

**PUNITH KUMAR KS**  
(10X21AI030)

Punith k.s

Adm  
Go to




**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bommanahalli, Bengaluru – 560068  
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Affiliated by VTU, Belagavi-590018)

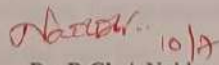
**Department of Computer Science and Engineering**




**CERTIFICATE**

Certified that the mini project work entitled **“LOCKER APP”** carried out by **Kedar P (10X20CS059)**, **Prajwal R Shetty (10X20CS095)**, **Prannav Prasad Lalath (10X20CS096)**, **Kruthik R S (10X20CS064)** bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of **Bachelor of Engineering in Computer Science and Engineering** of Visvesvaraya Technological University, Belagavi during the year 2022-2023. The Mini project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

  
**Prof. M Ramya Sri**  
Project Guide

  
**Dr. R.Ch.A. Naidu**  
Professor & H.O.D

  
**Dr. N Kannan**  
Principal, TOCE

**HEAD OF THE DEPARTMENT**  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU - 560 068

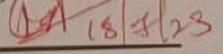

**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

**External Viva**

**Name of the Examiners**

1. Manasa S. 7/7
2. Naveen H

**Signature with Date**

1.  18/5/23
2.  18/5/23



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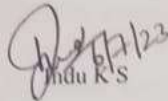
(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering

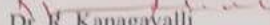


**CERTIFICATE**

Certified that the mini project work entitled "HOSPITAL RECORD MANAGEMENT SYSTEM" carried out by ANARGHYA M B(10X20IS012),BRAHMI C SHETTY(10X20IS019),DEEKSHITA TALURI(10X20IS025) and HARINI N(10X20IS029), bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the said Degree.

  
Indu K S


Asst. Prof, Dept. of ISE

  
Dr. R. Kanagavalli

**Dr. R. KANAGAVALLI**  
PROFESSOR & HOD-ISE

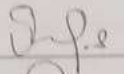
The Oxford College of Engineering  
for & Head of Engineering  
Bommanahalli, Hosur Main Road,  
Bangalore 560 068.

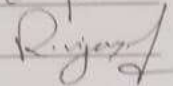
External Viva

  
Dr. N. Kannan

PRINCIPAL

The Oxford College of Engineering  
Principal, T.O.C.E.  
Bommanahalli, Hosur Road  
Bengaluru-560 068

1. Internal Examiner: 

2. External Examiner: 



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**Bommanahalli, Hosur Road, Bangalore – 560068**

(Approved by AICTE, New Delhi, Accredited by NAAC 'A', Affiliated To VTU Belagavi-590018)

**Department of Electronics and Communication Engineering**


(NBA Accredited)



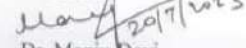
**CERTIFICATE**

Certified that the Mini Project Report work entitled **“VOICE HOME AUTOMATION USING ARDUINO”** is carried out by Chiranth B (10X20EC016), M S Prasanth (10X20EC038) bonafide students of THE OXFORD COLLEGE OF ENGINEERING, BANGALORE in partial fulfillment for the award of the Degree of Bachelor of Engineering in Electronics and Communication of VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessments have been incorporated in the report deposited in the Department library. The Mini Project Report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said degree.


**Guide**

  
Mr. Prajwalasimha S N  
Assistant Professor  
Dept. of ECE

**HOD**

  
Dr. Manju Devi  
Head of the department  
Professor & HOD of E&C Engineering  
The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068

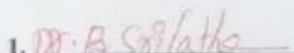
**Principal**

  
Dr. N Kannan  
The Oxford College of  
Engineering, Bengaluru

**PRINCIPAL**

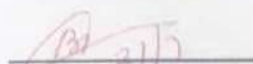
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru - 560 068

**Name of the Examiners**

1. 

2. 

**Signature with Date**

  
21/5





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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING**



**CERTIFICATE**

Certified that the Mini Project work entitled "ENERGY MONITORING AND CONSERVATION USING SMART PLUG" has been carried out by Mr./Ms. MOUNASHREE S (10X20EE011), POOJA V (10X20EE013), RASHMI M (10X20EE016), VARUN S (10X20EE022) bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of the degree of Bachelor of Engineering in Electrical and Electronics Engineering under the Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project report has been approved as it satisfies the academic requirements in respect to technical Mini Project work prescribed for the said degree.

*Th...*  
Name & Signature of the Guide

Mrs. SUMITHA T L  
Assistant professor  
Dept. of EEE, TOCE

*Sh...*  
Name & Signature of the HOD

Dr. V S BHARATH  
Dept. of EEE, TOCE

*N...*  
Signature of the Principal

Dr. N KANNAN  
Principal, TOCE  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068

Name of the Examiners

- (1) *Dr. R. Davi Vigneshwaran*  
(2) *B. Copbhatra*

Signature with date

*15/7/23*  
*12/7/23*



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**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the mini project entitled "FABRICATION OF A HUMANOID WALKING ROBOT" is a bonafide work to be carried out by NIKHIL R, PRASHANT RANJAN, SANDEEP J & SIVA P bearing USN: 10X20ME009, 10X20ME010, 10X20ME011, 10X20ME012 respectively in partial fulfilment of mini project in 6th semester, Bachelor of Engineering in Mechanical Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belgaum for the year 2022-23. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The mini project report has been approved as it satisfies the academic of Bachelor of Engineering degree.

Signature of Guide

Dr. Vidyadhar Pujar  
Associate Professor

Signature of HOD

Dr. Madhu Sudana Reddy G

Professor / HOD  
PROFESSOR & HEAD  
DEPARTMENT OF MECHANICAL ENGINEERING  
THE OXFORD COLLEGE OF ENGINEERING  
BOMMANAHALLI, BANGALORE-560068

Signature of Principal

Dr. N. Kannan

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangaluru-560 068

1. Dr. Madhu Sudana Reddy G

2. ASHOK KUMAR C.N



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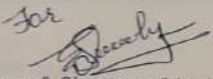
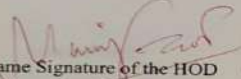

**BIOPLASTIC FROM SPENT COFFEE GROUNDS**

**THE OXFORD COLLEGE OF ENGINEERING**  
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**DEPARTMENT OF BIOTECHNOLOGY**

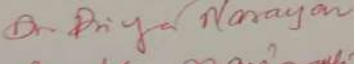

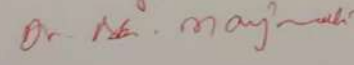
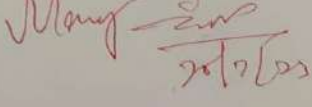


**CERTIFICATE**

Certified that the mini project work entitled "BIOPLASTIC FROM SPENT COFFEE GROUNDS" carried out by Ms. Anvitha M A (1OX20BT002), Ms. Deepika Y(1OX20BT007), Ms. Nalli Gretal (1OX20BT013), Ms. Srushti K (1OX20BT028) a bonafide student of The Oxford College Of engineering in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the Visvesvaraya Technological University, Belgaum during the year 2022-23 . It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

 Name & Signature of the Guide	 Name Signature of the HOD	 Signature of the Principal
<b>Dr. K Valarmathy</b> Assot. Professor Dept Of Biotechnology	<b>Dr. B. K. Manjunatha</b> Professor & Head Dept Of Biotechnology <b>Dr. B.K MANJUNATHA</b> Professor & Head Department of Biotechnology The Oxford College of Engineering Bengaluru-560 068.	<b>Dr. N. Kannan</b>  PRINCIPAL The Oxford College of Engineering Bommanahalli, Hosur Road Bengaluru-560 068

**External Viva**

Name of the examiners	Signature with date
1. 	
2. 	

Dept. Of BT, TOCE 2



**CHILDREN'S EDUCATION SOCIETY (Regd.)  
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**THE OXFORD COLLEGE OF ENGINEERING**  
BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068  
(Affiliated to VTU and approved by AICTE)  
**Department of Mechatronics Engineering**



**CERTIFICATE**

Certified that the Project work entitled "MINI-ROBOT FOR GAS LP DETECTION USING MOBILE DEVICE" is a bonfire work carried out by AMRUTH M C (10X21MT402), BHANUPRASAD (10X21MT403), LIKHITHA L D (10X21MT409) and NIKHIL R (10X21MT413) in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-24. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

*Signature*  
Signature of Guide  
Dr. Manjula C  
Dept of MTE

*Signature*  
Signature of Prof. & HOD  
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1. Dr. Manjula C  
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Signature with Date:  
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*Signature* 17/7/23



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**THE OXFORD COLLEGE OF  
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**DEPARTMENT OF MASTER OF COMPUTER  
APPLICATIONS**

**CERTIFICATE**


This is to certify that the Mini Project report on "Objet Orientation Using MPU6050" has been carried out by Mr. Tharun N USN:IOX21MC105 Miss. Sabana G R USN: IOX21MC084 student of 3<sup>rd</sup> semester MCA, submitted in the partial fulfillment of requirement prescribed by the VTU for "MASTER OF COMPUTER APPLICATION" for 20MCA37 IOT Lab with Mini- project course during the year 2022-2023.

  
Signature of Guide  
Mr. J C Achutha

  
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Submitted for the VTU Examination held on March 2023 at THE OXFORD COLLEGE OF ENGINEERING, Bommanahalli, Hosur Road, Bangalore, Karnataka, India.

Internal Examiner  
Date:

  
External Examiner  
Date: