

# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

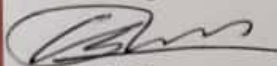
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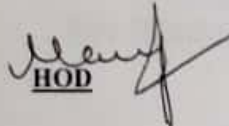
Department of Electronics and Communication Engineering



## CERTIFICATE

Certified that the Internship entitled "SOLAR POWER PLANT" Carried out by **ROOPA K S (10X17EC404)**, a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

  
HOD

  
PRINCIPAL

**Ms. A. CHRISPIN JIJI**  
Asst. Professor of  
Engineering  
Dept. of ECE

**Dr. MANJU DEVI**  
Professor and HOD  
Dept of ECE  
**Professor & HOD of E&C Engineering**  
**The Oxford College of Engineering**  
**Bommanahalli, Bangalore - 560 068.**

**Dr. A.S. ARAVIND**  
Principal  
**PRINCIPAL**  
**The Oxford College of Engineering**  
**TOCE, Bangalore**  
**Bommanahalli, Hosur Road**  
**Bengaluru-560 068.**

Name of the Examiner

1. ....
2. ....

Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

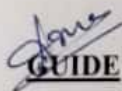
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## Department of Electronics and Communication Engineering

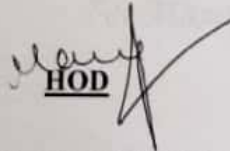


### CERTIFICATE

Certified that the Internship entitled "SOLAR POWER PLANT" Carried out by **RAKSHITHA D (10X16EC055)**, a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
**GUIDE**

**Mrs. ARUNA J**  
Asst. Professor of  
Engineering  
Dept. of ECE

  
**HOD**

**Dr. MANJU DEVI**  
Professor and HOD of ECE Engineering  
Dept of ECE Engineering  
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Bommanahalli, Bangalore - 560 068.

  
**PRINCIPAL**  
**Dr. A.S. ARAVIND**  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
TOCE, Bangalore  
Bangaluru-560 068.

Name of the Examiner

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Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

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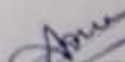
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Department of Electronics and Communication Engineering



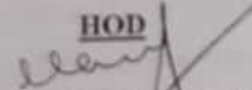
## CERTIFICATE

Certified that the Internship on **EMBEDDED-IOT** entitled as "WAREHOUSE MONITORING IN THE INDUSTRIAL APPLICATION" Carried out by **CHANDANA S (10X16EC012)**, a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

Mrs. ARUNA J  
Asst. Professor,  
Dept. of ECE

HOD

  
Dr. MANJU DEVI

Professor & HOD of E&C Engineering  
The Oxford College of Engineering  
Dept. of ECE  
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PRINCIPAL

PRINCIPAL  
Dr. A. SARAVINA  
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Bommanahalli, Hosur Road,  
The Oxford College of Engineering  
Bengaluru - 560 068.  
Bengaluru

Name of the Examiner

1. ....
2. ....

Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068


(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering




## CERTIFICATE

Certified that the Internship entitled "SOLAR POWER PLANT" Carried out by ABHIJNA NAYAK (10X16EC001), a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

Ms. A. CHRISPIN JIJI  
Asst. Professor of  
Engineering  
Dept. of ECE

  
HOD

Dr. MANJU DEVI  
Professor and HOD  
Dept. of ECE Engineering  
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PRINCIPAL

Dr. A.S. ARAVIND  
PRINCIPAL  
The Oxford College of Engineering  
TOCE Bangalore  
Bommanahalli, Hosur Road  
Bangalore - 560 068

Name of the Examiner

1. ....
2. ....

Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

(Affiliated to VTU and Approved by AICTE)

## Department of Electronics and Communication Engineering



### CERTIFICATE

Certified that the Internship on **Embedded-IOT** entitled **“WAREHOUSE MONITORING IN THE INDUSTRIAL APPLICATION”** Carried out by **KEERTHANA S (10X16EC029)**, a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

*Aruna*  
GUIDE 29/2/2020

*Manju Devi*  
HOD

*A. S. Aravind*  
PRINCIPAL

Mrs. ARUNA J  
Asst. Professor,  
Dept. of ECE

Dr. MANJU DEVI  
Professor & HOD of E&C Engineering  
Professor and HOD  
The Oxford College of Engineering  
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The Oxford College of Engineering  
Bengaluru-560 068.  
Bengaluru

Name of the Examiner

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Signature with Date

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## The Oxford College of Engineering

Bommanahalli, Bangalore – 560068

(Affiliated to VTU and Approved by AICTE)

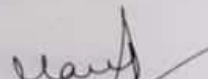
**Department of Electronics and Communication Engineering**

### CERTIFICATE

This is to certify that the internship report entitled **“Paperless Factory and i-Station”** is carried out by **Adam Filbert Ashwal** in partial fulfillment for the award degree of **Bachelor of Engineering** in Electronics and Communication Engineering of **Visvesvaraya Technological University, Belagavi** during the year **2019 – 2020**. The internship report has been approved as it satisfies the academic requirements in respect of internship prescribed for the said degree.

  
**GUIDE**

**Dr. Manju Devi**  
HOD, Dept. of ECE

  
**HOD**

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

  
**PRINCIPAL**

**Dr. A. S. Aravind**  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

Name of Examiners

Signatures with Date

1 .....

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

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## Department of Electronics and Communication Engineering

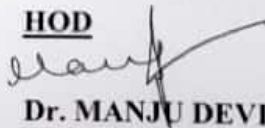


### CERTIFICATE

Certified that the Internship entitled "SOLAR POWER PLANT" Carried out by SNEHA A GOUDAR (10X17EC407), a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

Ms. A. CHRISPIN JIJI  
Asst. Professor of  
Engineering  
Dept. of ECE

  
HOD  
Dr. MANJU DEVI

Professor and HOD  
& HOD of E&C Engineering  
Dept. of ECE  
The Oxford College of Engineering  
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PRINCIPAL

Dr. A.S. ARAVIND  
Principal  
PRINCIPAL  
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Bommanahalli, Hosur Road  
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Name of the Examiner

1. ....
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Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

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## Department of Electronics and Communication Engineering



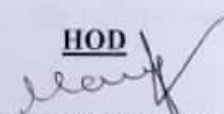
### CERTIFICATE

Certified that the Internship on **EMBEDDED-IOT** entitled as **"WAREHOUSE MONITORING IN THE INDUSTRIAL APPLICATION"** Carried out by **SNEHA (10X16EC068)**, a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

Mrs. ARUNA J  
Asst. Professor,  
Dept. of ECE

HOD

  
Dr. MANJU DEVI  
Professor & HOD of E&C Engineering  
The Oxford College of Engineering  
Bommanahalli, Bangalore-560 068.

  
PRINCIPAL  
PRINCIPAL

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Bengaluru - 560 068  
The Oxford College of Engineering  
Bengaluru

Name of the Examiner

1. ....
2. ....

Signature with Date

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

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Department of Electronics and Communication Engineering



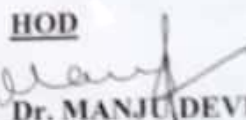
## CERTIFICATE

Certified that the Internship entitled "SOLAR POWER PLANT" Carried out by VIJAYLAXMI M HALKARNI (10X16EC083), a bonafide student 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 academic year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the said degree.

  
GUIDE

Ms. A. CHRISPIN JIJI  
Asst. Professor of  
Engineering  
Dept. of ECE

HOD

  
Dr. MANJU DEVI  
Professor and HOD  
of E&C Engineering  
Dept. of ECE  
The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068.

PRINCIPAL

Dr. A. S. ARAVIND  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068  
  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068  
Signature with Date

Name of the Examiner

1. ....
2. ....

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# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering



## CERTIFICATE

This is to certify that the Internship work entitled "Web technology using HTML" is a bonafide work carried out by Mr.KIRAN BIRADAR(10X16EC407) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year JULY-AUGUST 2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The internship report has been approved as it satisfies the academic requirements required for the above said degree.

  
GUIDE

Ms ARUNA  
PROFESSOR,  
Dept of ECE, TOCE.

  
HOD

Dr. MANJU DEVI  
PROFESSOR  
Professor & HOD of E&C Engineering  
HOD, Dept. of ECE, TOCE  
The Oxford College of Engineering  
Bommanahalli, Bangalore - 560 068.

  
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

Name of the External

1. .... Sandhar N
2. .... D. V. C. DR

Signature  
N. Sandhar N  
18/08/19



## The Oxford College of Engineering

Bommanahalli, Bangalore – 560068

(Affiliated to VTU and Approved by AICTE)

**Department of Electronics and Communication Engineering**

### CERTIFICATE

This is to certify that the internship report entitled “**Paperless Factory and i-Station**” is carried out by **Kimberly Claudia Dsouza** in partial fulfillment for the award degree of **Bachelor of Engineering** in Electronics and Communication Engineering of **Visvesvaraya Technological University**, Belagavi during the year **2019 – 2020**. The internship report has been approved as it satisfies the academic requirements in respect of internship prescribed for the said degree.

  
GUIDE

**Dr. Manju Devi**  
HOD, Dept. of ECE

  
HOD

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

  
PRINCIPAL

**Dr. A. S. Aravind**  
Principal, TOCE  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

Name of Examiners

Signatures with Date

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THE OXFORD COLLEGE OF ENGINEERING, BOMMANAHALLI, HOSUR ROAD  
BANGLORE-560068

## THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

### CERTIFICATE

This is to certify that the internship entitled **“ELECTRICAL WIRING AND GENERATOR ERECTION** is a bonafide work carried out by AMRIN (10X16EE004), KUBRASULTANA (10X16EE022), NIHALA SADEEN (10X16EE040), TANZEERA BANU A (10X16EE072), in partial fulfillment of internship in 7<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford college of engineering under Visvesvaraya Technological University, Belagavifor the year 2019-2020. It is certified that all correction and suggestions indicated for internal assessment have been Incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

Signature of Guide      Signature of HOD      Signature of Principal

(Dr. V.S. BHARATH)

(Dr. V.S. BHARATH)

(Dr. A.S. SARAVIND)

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560068

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Bommanahalli, Hosur Road  
Bangalore-560068

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560068

Name of the Examiners

Signature with date



# THE OXFORD COLLEGE OF ENGINEERING

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

## CERTIFICATE


This is to certify that the internship entitled **“STUDY ON 220KV GIS SUBSTATION”** is a bonafide work carried out by PREETHAM P M (10X16EE047), RAHUL DESHPANDE (10X16EE050), RAKESH V (10X16EE052), SWAROOP N B (10X16EE069) in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
17/08/2020

Internal Guide


Mr.N.Jayakumar  
Associate Professor  
Dept of EEE, TOCE

HOD

  
Dr V S BHARATH  
Dept of EEE, TOCE

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

Principal

  
Dr.A.S.ARAVIND  
Principal, TOCE

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

Name of the Examiners

Signature with date



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560 068  
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



## CERTIFICATE

This is to certify that internship entitled **“A STUDY ON MANUFACTURING OF CNC MACHINES”** is a bonafide work carried out by Vishal, Sandeep, Ravi Yallappa Bajantri, Raghu Rayaraddi bearing USN: 1OX16EE073, 1OX16EE062, 1OX16EE057, 1OX15EE065 in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*Sandhya Rai*  
14/05/20  
Internal Guide

Mrs. SANDHYA RAI  
Associate professor  
Dept of EEE, TOCE

*S. S. Bharath*  
14/05/20  
HOD  
Dr S S BHARATH  
Professor & Head EEE  
Dept of EEE, TOCE  
The Oxford College of Engg.  
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*A. S. Aravind*  
Principal  
Dr A S ARAVIND  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Sommanahalli, Hosur Road  
Bengaluru-560 068.

Name of the examiners:

Signature:

Date:

1. \_\_\_\_\_

2. \_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BENGALURU – 560 068

(Affiliated to VTU and approved by AICTE and Accredited by NAAC and NBA)

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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2019-2020

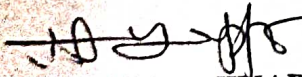
### CERTIFICATE


This is to certify that the internship entitled "PLC BASED SCADA SYSTEMS ON POWER DISTRIBUTION" is a bonafide work carried out by **VISHAL NADIG** bearing USN **10X16EE075** in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of **Electrical and Electronics** at **The Oxford College of Engineering** under **Visvesvaraya Technological University Belagavi** for the year **2019-2020**. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated in this report. The internship report has been approved as it satisfies the academic requirement of the award of Bachelor of Engineering degree.


#### Internal Guide

#### HOD

#### Principal

  
MR.N.MUNIYAPPA  
Associate Professor,  
Dept.of EEE

  
DR BHARATH V.S  
Dept. of EEE  
TOCE

  
DR A S ARAVIND  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

Name of the Examiner



**THE OXFORD COLLEGE OF ENGINEERING**

**HOSUR ROAD, HEMMANAHALLI, BENGALURU - 560 068**

**(Affiliated to VTU and approved by AICTE and Accredited by NAAC and NBA)**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS  
ENGINEERING**

**2019-2020**



**CERTIFICATE**

This is to certify that the internship entitled "DEVELOPMENT OF HOSPITAL PRODUCTS USING CASE STUDIES" is a bonafide work carried out by SYED YOUNUS JALAL AND ROHIT KUMAR MAGOTRA bearing USN 10X15EE095 & 10X17EE409 respectively in partial fulfilment of internship in 7<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics, at The Oxford College of Engineering under Visveswaraya Technological University Belagavi for the year 2019-2020. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated in this report. The internship report has been approved as it satisfies the academic requirement of the award of Bachelor Of Engineering degree.

**Internal Guide**

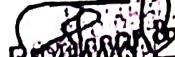
  
Muniyappa

Associate Professor,

Dept. of EEE


Name of the Examiner

**HOD**

  
Head, EEE  
The Oxford College of Engineering  
Hosur Road, Hemmanahalli,  
Bengaluru-560068  
Department of EEE,

toce

**PRINCIPAL**

  
PRINCIPAL  
The Oxford College of Engineering  
Hosur Road, Hemmanahalli,  
Bengaluru-560 068.  
Principal

TOCE



**THE OXFORD COLLEGE OF ENGINEERING**  
**HOSUR ROAD, BOMMANAHALLI, BENGALURU-560068**  
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



2019 – 2020

**CERTIFICATE**

This is to certify that the internship entitled **“MAINTENANCE OF 220/66/11KV SUBSTATION”** is a bonafidework carried out by Saif Ahmed and Bharath Kumara m b bearing usn 10X17EE405 and 10X16EE402 in partial fulfilment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*Nisha C Rani*

INTERNAL GUIDE

Mrs. Nisha C Rani  
Associate professor,  
Dept. of EEE, TOCE

*Bharath*

Professor & Head EEE  
The Oxford College of Engg.  
Bommanahalli, Hosur Road  
Bangalore-560 068  
**DR V S BHARATH**  
Dept of EEE, TOCE

*A. S. Aravind*

PRINCIPAL

Dr A.S Aravind

Principal, TOCE

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

Name of the Examiners

1. \_\_\_\_\_
2. \_\_\_\_\_

Signature with date

\_\_\_\_\_  
\_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that the internship entitled "STUDY ON MAINTENANCE OF 400KV RECEIVING STATION" is a bonafide work carried out by DHEERAJ R (10X16EE011), HARSHA NAIK K J (10X16EE016) in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*R. Ruby*

**Internal Guide**

Mrs. RAICHEL RUBY  
Associate Professor  
Dept. of EEE, TOCE

*[Signature]*  
**HOD**  
Professor in Charge  
DR. S. BHARATH  
The Oxford College of Engg.  
Bommanahalli, Hosur Road  
Bengaluru-560068

*[Signature]*  
**Principal**

DR A.S. ARAVIND  
Principal, TOCE  
The Oxford College of Engineering  
Bommanahalli, Hosur Road-  
Bengaluru-560.068..

Name of the Examiners

Signature with date



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019 - 2020

## CERTIFICATE


This is to certify that the internship entitled **"AUTOMATION OF PAINTING CAROUSEL"** is a bonafide work carried out by Harsha Yallappa Byahatti, Priyanka M , Renuka S, Sahana Suresh Kanthi bearing USN 10X16EE017,10X16EE048, 10X16EE058, 10X16EE060 in partial fulfilment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

Mrs SUMITHA T L

Assistant Professor

Dept of BEE, TOCE

  
HOD

Dr V S BHARATH  
The Oxford College of Engineering  
Dept of BEE, TOCE  
Bommanahalli, Hosur Road  
Bangalore-560 068

  
Principal

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

Name of the Examiners

Signature with date

1.

2.



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOOSUR ROAD, BENGALURU-560068  
(Affiliated to VTU and approved by AICTE. Accredited by NAAC and NBA)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

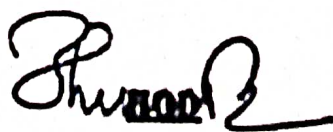
## CERTIFICATE

This is to certify that the internship entitled "STUDY ON MAINTENANCE OF 400kV RECEIVING STATION" is a bonafide work carried out by Anusha R, Carol Alyanna K, Kumara S C, Shilpa N, bearing usn 10X16EE005, 10X16EE009, 10X16EE023, 10X16EE065, in partial fulfillment of Internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The Internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

Mrs. RESNA S R  
Assistant Professor  
Dept. of EEE, TOCE

Name of the Examiners



Dr. V S BHARATHI  
Dept. of EEE, TOCE  
Professor & Head E.E.E  
The Oxford College of Engineering  
Bommanahalli, Hoosur Road  
Bengaluru-560068



Dr. A S ARAVIND  
Principal, TOCE  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hoosur Road  
Bengaluru-560068

Signature with date



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that internship entitled "A STUDY ON MANUFACTURING AND TESTING OF DISTRIBUTION TRANSFORMERS" is a bonafide work carried out by, Dhanush H S, Nagendra Reddy H, Sumithra B, Srikanth N, bearing USN 10X16EE010, 10X16EE036, 10X16EE067, 10X17EE407, in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
**Internal Guide**

Mrs RESNA S R  
Assistant professor  
Dept of EEE, TOCE

  
**HOD**

Dr. V S BHARATH  
Professor & Head  
DEPT of EEE, TOCE  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068

  
**Principal**

Dr A S ARAVIND  
Principal, TOCE

**PRINCIPAL**

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

Signature with date

Name of the examiners

Examiner 1

Examiner 2

**THE OXFORD COLLEGE OF ENGINEERING**  
**BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068**

(Affiliated to VTU and approved by AICTE)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**2019-2020**

**CERTIFICATE**

This is to certify that the internship entitled "SUBSTATION MAINTENANCE" is a bonafide work carried out by SUKRUTH S(10X15EE089), NARAYANASWAMY G (10X16EE411), PRABHU H (10X16EE415), RAVI K M (10X17EE402) in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*Anoop. H.K*  
17/8/2020

**INTERNAL GUIDE**

Mr. ANOOP H K  
Assistant Professor  
Dept. of EEE, TOCE

*DR. V S BHARATH*

**HOD**  
**DR. V S BHARATH**

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

*DR. A.S. ARAVIND*

**PRINCIPAL**  
**DR. A.S. ARAVIND**  
The Oxford College of Engg  
Bommanahalli, Hosur Road  
Bangalore-560 068.

**Name of the Examiner**

**Signature with date**

- 1.
- 2.



**THE OXFORD COLLEGE OF ENGINEERING**  
HOSUR ROAD, BOMMANAHALLI, BENGALURU-560068  
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019-2020

**CERTIFICATE**

This is to certify that the internship work entitled **“STUDY ON 220KV SUBSTATION EQUIPMENTS AND IT'S MAINTENANCE”** is a bonafide work carried out by **PRAJWAL K J (10X15EE058), SANJAY KUMAR S (10X16EE418), SUNEEL KUMAR H N (10X16EE421)** in partial fulfilment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment has been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*Nisha C Rani*

**INTERNAL GUIDE:**  
Mrs. NISHA C RANI  
Associate Professor  
Dept. of EEE, TOCE

*J. V. S. Bharath* 22/9/20

**HOD:**  
Dr. V S BHARATH  
Head of Department (EEE)  
Dept. of EEE, TOCE

**PRINCIPAL:**  
Dr. A S ARAVIND  
Principal, TOCE

**SIGNATURE OF THE EXAMINERS:**

1. \_\_\_\_\_
2. \_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

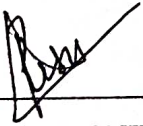
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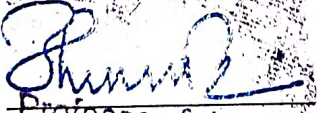
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

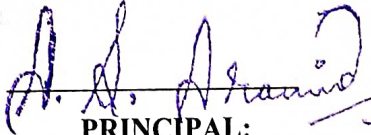


## CERTIFICATE

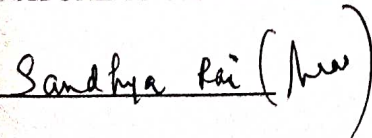
This is to certify that the internship work entitled "**STUDY ON SUBSTATION AND IT'S MAINTENANCE**" is a bona-fide work carried out by **IYER VIJAY SURESH (10X12EE028)**, **MOUNISH A (10X15EE048)**, **YUVARAJ R (10X15EE105)** in partial fulfillment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment has been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
**INTERNAL GUIDE:**  
Smt. RESNA S R  
Assistant Professor  
Dept. of EEE, TOCE

  
Professor & Head EEE  
The Oxford College of Engineering  
**HOD: Head EEE**  
Dr. V S BHARATH  
Head Of Department (EEE) The Oxford College of Engineering  
Dept. of EEE, TOCE

  
**PRINCIPAL:**  
Dr. A S RAVIND  
Principal  
The Oxford College of Engineering  
TOCE  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

**SIGNATURE OF THE EXAMINERS:**

1. 
2. \_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2019 - 2020

## CERTIFICATE

This is to certify that the internship entitled "RENEWABLE ENERGY(SOLAR POWER PLANT STUDY AND DESIGNING)" is a bonafide work carried out by SUSHMA N K (10X16EE068), BHARGAVI T (10X15EE017), NEELAVATHI (10X16EE413) in partial fulfilment of internship in 8<sup>th</sup> semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

*Prakruthi*  
**Internal Guide**  
Mrs. PRAKRUTHI  
Assistant Professor  
Dept of EEE, TOCE

*Dr. V. S. Bharathi*  
**HOOD, SOI & Head EEE**  
**Dr. V. S. BHARATHI**  
The Office  
Dept of EEE, TOCE  
Bommanahalli, Hosur Road  
Bangalore-560 068

*A. S. Saravind*  
**Principal**  
**Dr. A. S. ARAVIND**  
Principal, TOCE  
**PRINCIPAL**  
The Oxford College of Engineer  
Bommanahalli, Hosur Road  
Bangalore-560 068.

Name of the Examiners

Signature with date



# **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**

## **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the internship work entitled “Familiarization of the Development of Aircrafts” has been carried out by Abdul Majeed Suhail, bearing USN: 10X16ME001 a Bonafede student of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-20.

**Signature of Guide**

**Mr. Vinay V**

**Signature of HOD**

**Dr. Madhu Sudana Reddy G**

**Examiners:**

1)

2)

**Signature with date**

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HINDUSTAN AERONAUTICS LIMITED



ಆಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
ಪೋಸ್ಟ್ ಬೆಗ್ ಸಂ. 1788, ಬೆಂಗಳೂರು - 560017, ಭಾರತ  
Post Bag No.1788, Bengaluru-560017, India  
Ph. : 91-80-2231 1741  
Fax : 91-80-2231 5188

No.A/HR/509/2019/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Abdul Majeed Suhail ,USN 10X16ME001 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Abdul Majeed Suhail**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

AROCKIA JOTHI B

Senior Manager (HR)

ಬಿ ಆರೋಗ್ಯ ಜ್ಯೋತಿ / B AROCKIA JOTHI  
ವಿಶಿಷ್ಟ ಪ್ರವೃದ್ಧಕ ( ಮಾ ಸಂ ) - ಆಯರ್ಕ್ರಾಫ್ಟ್ ಪ್ರಭಾಗ  
Senior Manager (HR)-Aircraft Division  
ಆಯರ್ಕ್ರಾಫ್ಟ್ ( ಬಿ ಸಿ ) / HAL (BC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कबुन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

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www.hal-india.com



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
“JNANASANGAMA”, MACHHE, BELAGAVI – 590018**



**AN INTERNSHIPREPORT ON**

Submitted in partial fulfillment for the award of degree of

**BACHELOR OF ENGINEERING**

**In**

**MECHANICAL ENGINEERING**

**By**

Abhishek  
1OX16ME002

**Under the Guidance of**

**Dr. Madhusudhana Reddy G**



**CHILDREN'S EDUCATION SOCIETY(REGD.)**

**THE OXFORD COLLEGE OF ENGINEERING**

Bommanahalli, Hosur Road, Bengaluru – 560068

Affiliated to Visvesvaraya Technological University, Belagavi &  
Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi

**CHILDREN'S EDUCATION SOCIETY(REGD.)**

## **THE OXFORD COLLEGE OF ENGINEERING**

Bommanahalli, Hosur Road, Bengaluru – 560068

Affiliated to Visvesvaraya Technological University, Belagavi &  
Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi

### **CERTIFICATE**

This is to certify that the Internship work entitled “**SHORT TERM INTERNSHIP On CATIA V5**” Is a bonafide work carried out by **ABHISHEK , USN:10X16ME002** ; on partial fulfilment for the award of BACHELOR OF ENGINEERING in **MECHANICAL ENGINEERING** under Visvesvaraya Technological University, Belagavi during the year 2019 -20. It is certified that all corrections/suggestions indicated for the Assessment have been incorporated in the report deposited in the departmental library. The technical seminar report has been approved as it satisfies the academic requirements in respect of technical seminar work prescribed for the said degree.

#### **GUIDE**

**Dr. MADHUSUDHANA REDDY G**  
Assistant Professor  
Dept of Mechanical Engineering

#### **HOD**

**Dr. MADHUSUDAN REDDY G**  
Professor and HOD  
Dept of Mechanical Engineering

#### **External viva**

#### **Name of the Examiners**

1. ....
2. ....

#### **Signature with Date**

.....  
.....



ವಿಮಾನ ವಿಭಾಗ / ಆಯರ್ಕ್ರಾಫ್ಟ್ ಪ್ರಭಾಗ / AIRCRAFT DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
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HINDUSTAN AERONAUTICS LIMITED



ಆಂಜೆ ಪಿಲ್ಲೈ ರಸ್ತೆ, ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂ. 1788, ಬೆಂಗಳೂರು - 560017, ಭಾರತ  
Post Bag No.1788, Bengaluru-560017, India  
Ph. : 91 -80 -2231 1741  
Fax : 91 - 80 - 2231 5188

No.A/HR/509/3348/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Akash R P ,USN 10X16ME006 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Akash R P**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

  
AROCKIA JOTHI B

Senior Manager (HR)

ಶ್ರೀ ಆರೋಗ್ಯ ಜೋತಿ / B AROCKIA JOTHI  
ಸೀನಿಯರ್ ಮ್ಯಾನೇಜರ್ (HR) - ಆಯರ್ಕ್ರಾಫ್ಟ್ ವಿಭಾಗ  
Senior Manager (HR)-Aircraft Division  
ಬೆಂಗಳೂರು (ಕೆ.ಆರ್.ಎಸ್.) : HAL ೧೭೮೮

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कबुन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

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**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)

**Department of Mechanical Engineering**



**CERTIFICATE**

This is to certify that the Internship work entitled “INTERNSHIP TRAINING AT HAL AIRCRAFT DIVISION” has been carried out by Akash R P, bearing USN: 1OX16ME006 a Bonafede student of The Oxford college of Engineering, Bangalore in partial fulfilment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of Guide**  
Prof. Raghavendra N

**Signature of HOD**  
Dr. Madhu Sudana Reddy G

**Examiners:**

**Signature with date**

1)

2)





**Kailash Roofing Solutions Pvt. Ltd.**

Factory : Plot #61, Site No.8, Hoskerappa Indl. Estate,  
Andrahalli Main Road, Heggenahalli, Wishwanedam Post,  
Bangalore-560091. Ph: 080 2836 1527 Fax: 080 2836 5161  
E-mail: sales@kailashroofing.com, Web: www.kailashroofing.com

## CERTIFICATE

This is to certify that Mr. Appa rao , USN 10X15ME015 , a bonafide BE(Mechanical Engineering) student of The Oxford College of Engineering Bangalore, has successfully completed his Internship at Kailash Roofing Solution Pvt. LTD , Tumkur from 20.01.2020 to 20.02.2020

We wish his All the Best, Good Luck and Success in his endeavors

**Mr. Appa Rao**

BE (Mechanical Engineering)

The Oxford College of Engineering

Bangalore





**Kailash Roofing Solutions Pvt. Ltd.**

Factory : Plot #61, Site No.8, Naderappa Indl. Estate,  
Andrahalli Main Road, Heggonchalli, Vishwanandam Post,  
Bangalore-560091. Ph: 080 2836 1527 Fax: 080 2836 5164  
E-mail: sales@kailashroofing.com, Web: www.kailashroofing.com

## CERTIFICATE

This is to certify that Mr. Anand , USN 10X16ME400 , a bonafide BE(Mechanical Engineering) student of The Oxford College of Engineering Bangalore, has successfully completed his Internship at Kailash Roofing Solution Pvt. LTD , Tumkur from 20.01.2020 to 20.02.2020

We wish his All the Best, Good Luck and Success in his endeavors

**Mr. Anand**

BE (Mechanical Engineering)

The Oxford College of Engineering

Bangalore







Kailash Roofing Solutions Pvt. Ltd.

Factory : Plot #61, Site No.8, Nadkerappa Indl. Estate,  
Andrahalli Main Road, Heggarahalli, Yehwanesdara Post,  
Bangalore-560091. Ph: 080 2836 1527 Fax: 080 2836 5161  
E-mail: sales@kailashroofing.com, Web: www.kailashroofing.com

## CERTIFICATE

This is to certify that Mr.Deekshith D N , USN 10X16ME401 , a bonafide BE(Mechanical Engineering) student of The Oxford College of Engineering Bangalore, has successfully completed his Internship at Kailash Roofing Solution Pvt. LTD , Tumkur from 20.01.2020 to 20.02.2020

We wish his All the Best, Good Luck and Success in his endeavors

**Mr. Deekshith D N**

BE (Mechanical Engineering)

The Oxford College of Engineering

Bangalore



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)

## Department of Mechanical Engineering



### CERTIFICATE

This is to certify that the internship work entitled “Kailash Roofing Solutions Pvt. Ltd. About how roofing sheets, ventilators, etc.. are manufacturing process is done and organization is managed” has been carried out by APPARAO (1OX15ME015), ANAND (1OX16ME400) , DEEKSHITH D N(1OX16ME401) a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of GUIDE**  
Mr. Prasad H Nayak

**Signature of HOD**  
Dr. Madhu Sudana Reddy G

**Examiners:**

**Signature with date**





**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**JNANA SANGAMA, BELGAVI – 590018**

**INTERNSHIP REPORT ON**

**"ENGINE TRANSMISSION AND BODY DESIGN"**

**SUBMITTED BY**

**MOHAMMED AYAZ [10X16ME051]**

**MD ARBAZ KHAN [10X16ME049]**

**GHULAM ALI KHAN [10X16ME024]**

**AFREED H.S [10X16ME004]**

**INTERNSHIP CARRIED OUT AT**

**BENGALURU METROPOLITAN TRANSPORT CORPORATION**

**Shanthinagar, Bangalore**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**THE OXFORD COLLEGE OF ENGINEERING**

**BOMANAHALLI, BANGALORE - 560068**





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1208 / 2019-20

Date: 29/11/2019



## CERTIFICATE

This is to certify that **Mr. MOHAMMED AYAZ** (Reg. No.10X16ME051) student of BE (Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "**Engine, Transmission & Bus Body Design**" at BMTC during period from 12/07/2019 to 22/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes him a bright future.

Place: **Bengaluru**

**Chief Personnel Manager (HRD).**

**B.M.T.C**

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1207 / 2019-20

Date: 29 / 11 / 2019



## CERTIFICATE

This is to certify that **Mr. MD ARBAZ KHAN** (Reg. No.10X16ME049) student of BE(Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "**Engine, Transmission & Bus Body Design**" at BMTC during period from 12/07/2019 to 22/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes him a bright future.

Place: **Bengaluru**

**Chief Personnel Manager (HRD),  
B.M.T.C**

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.



**ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ**  
ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1205 / 2019-20

Date: 29 / 11 / 2019



**CERTIFICATE**

This is to certify that **Mr. GHULAM ALI KHAN** (Reg. No.10X16ME024) student of BE (Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "**Engine, Transmission & Bus Body Design**" at BMTC during period from 12/07/2019 to 22/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes him a bright future.

Place: **Bengaluru**

**Chief Personnel Manager (HRD).**  
**B.M.T.C**

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru.





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1205 / 2019-20

Date: 29/11/2019



## CERTIFICATE

This is to certify that **Mr. AFREED H S** (Reg. No.10X16ME004) student of BE(Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "**Engine, Transmission & Bus Body Design**" at BMTC during period from 12/07/2019 to 22/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes him a bright future.

Place: **Bengaluru**

**Chief Personnel Manager (HRD).**  
**B.M.T.C**

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.



# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

## BENGALURU METROPOLITAN TRANSPORT CORPORATION

HUMAN RESOURCE DEVELOPMENT DEPARTMENT :: CENTRAL OFFICES

No: BMTC: CO: HRD: 714 / 2019-20

Date: 13-08-2019

17



### CERTIFICATE

This is to certify that Ms. Bhagavathi N. (USN: 10X16ME013) student of B.E. (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission and Bus Body Design" during 08/07/2019 to 13/08/2019 at Bengaluru Metropolitan Transport Corporation.

The Corporation wishes her a bright future.

Place: Bengaluru

  
Chief Personnel Manager (HRD)

B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.



# **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**

## **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the internship work entitled “Engine, Transmission and Bus Body Design” has been carried out by Bhagavathi N, bearing USN:10X16ME013 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

#### **Signature of GUIDE**

Mr. Vinay V

#### **Signature of HOD**

Dr. Madhu Sudana Reddy G

**Examiners:**

- 1)
- 2)

**Signature with date**

# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560 068  
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)

DEPARTMENT OF MECHANICAL ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that internship entitled –“**A STUDY ON CNC MILLING PROGRAMMING AND OPERATION**” is a bonafide work carried out by **Maheshwara** , bearing USN: **1OX16ME046**, and **CHANDAN N M**, bearing USN: **1OX16ME018**, in partial fulfillment of internship in 8<sup>th</sup> semester, **Bachelor of Engineering in the course of Mechanical Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi** for the year **2019-2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

### Internal Guide

**Mr. VARUN K R**  
Associate professor  
Dept of ME, TOCE

### HOD

**Dr G M REDDY**  
Dept of ME, TOCE

### Principal

**Dr A S ARAVIND**

Name of the examiners:

Signature:

Date:

1. \_\_\_\_\_

2. \_\_\_\_\_





(A Govt. of Karnataka Society)

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ  
Govt. Tool Room & Training Centre  
(An Indo - Danish Project)

Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

Date: 06.03.2020

## Internship Letter

Certificate of Competency is awarded for successful Completion of Course in CNC MILLING PROGRAMMING & OPERATION to Mr. MAHESHWARA for the period of 01.07.2019 to 01.08.2019 at Govt. Tool Room & Training Centre, Bangalore.

Principal

Principal  
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore - 560 010

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOLS  
DIECASTING TOOLS & PRECISION COMPONENTS, R&D IN TOOLING, MACHINING PROCESSES & RAPID PROTOTYPING

Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : www.karnataka.gov.in/gttc Grams : G.T.T.C

A Scientific & Industrial Research Organisation recognised by Govt. of India.



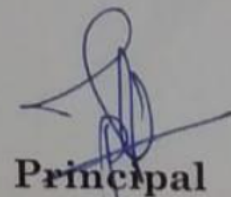
(A Govt. of Karnataka Society )

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ  
Govt. Tool Room & Training Centre  
(An Indo - Danish Project )  
Rajajinagar Industrial Estate, Bangalore - 560 010, INDIA

Date: 06.03.2020

## Internship Letter

Certificate of Competency is awarded for successful Completion of Course in CNC MILLING PROGRAMMING & OPERATION to Mr. CHANDAN N M for the period of 01.07.2019 to 01.08.2019 at Govt. Tool Room & Training Centre, Bangalore.



Principal

Principal  
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate  
Bangalore - 560 010

TRAINING IN TOOLING, CAD/CAM, ELECTRONICS ETC. SPECIALISED IN PLASTIC MOULDING TOOLS, PRESS TOOL  
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Tel: 23152118, 23152119, 23157189, 23152346. Fax : 91-080-23301683

Website : [www.karnataka.gov.in/gttc](http://www.karnataka.gov.in/gttc) Grams : G.T.T.C

A Scientific & Industrial Research Organisation recognised by Govt. of India.



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI, KARNATAKA-590014**



**Internship Report on**

**“WELDING PROCESS IN AUTOMOBILE INDUSTRY”**

Submitted in the partial fulfillment for the award of Bachelor Degree in  
Mechanical Engineering for the academic year 2019 - 2020

Submitted by

**CHARAN S**

**USN:10X16ME019**

Under the guidance of

**Internal Guide:**

**SHIVASHESHADRI M**

Asst, Professor,  
Department of Mechanical Engineering,  
The Oxford College of Engineering, Bengaluru.

**External Guide:**

**GAJENDRA SHARMA**

Senior Engineer,  
Indo Auto Tech Limited,  
Narsapura, Bengaluru



**THE OXFORD COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING  
BENGALURU-560068, KARNATAKA**



**INDO AUTOTECH LIMITED UNIT V**  
(An ISO 9001:2008, ISO 14001, OHSAS 18001 Certified Co.)  
Plot No. 176P, 177P, 178P, 179-181,  
Narasapura Indi Area, Narasapura,  
Kolar Taluk - 563133, (Karnataka) INDIA  
Phone : 91+129-4028209, 4028210  
Unit - 5 : 9845456123  
Website : www.indoautotech.com  
CIN No. : U34300HR2006PLC036389

Date: 06/02/2020

### To Whomsoever It My Concern

This is certify that Mr. Charan S ,Reg No:10X16ME019 student of The Oxford College Of Engineering, Bangalore has undergone **"One Month Internship Training"** in our organization from 06<sup>th</sup> January 2020 to 06<sup>th</sup> February 2020 .

During the Internship training, he was regular & sincere in his work.

We Wish him good luck for his Future Endeavour

For INDO AUTOTECH LTD

Authorized Signatory

**Manufacturers of Precision Sheet Metal Component & Sub-assemblies**



# THE OXFORD COLLEGE OF ENGINEERING

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

DEPARTMENT OF MECHANICAL ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that internship entitled –“**A STUDY ON CNC AND VMC MACHINING TECHNOLOGY**” is a bonafide work carried out by **Chetan H C, bearing USN:10X16ME020**, and **Amit, bearing USN:10X16ME08** in partial fulfillment of internship in 8<sup>th</sup> semester, **Bachelor of Engineering in the course of Mechanical Engineering at The Oxford College of Engineering under Visvesvaraya Technological university, Belagavi** for the year **2019-2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

### Internal Guide

Mr. VARUN K R  
Associate professor  
Dept of ME, TOCE

### HOD

Dr G M REDDY  
Dept of ME, TOCE

### Principal

Dr A S ARAVIND

Name of the examiners:

Signature:

Date:

1. \_\_\_\_\_

2. \_\_\_\_\_

# INDOTECH PRECISION ENGINEERING WORKS

REGD OFFICE: POTIA INDUSTRIAL ESTATE, GROUND FLOORE, BOAT HARD ROAD, DARUKHANA, MUMBAI-400010  
WORKS: GALA NO. A-20, PAVANA INDUSTRIAL ESTATE, PLOT NO. T-204,MIDC, BHOSARI PUNE-411026

## Certification of Internship

This Certificate is presented to Mr. Chetan H C USN: 10X16ME020 from The Oxford Collage Of Engineering for completing internship on CNC,VMC machining Technology conducted from 10 july-2019 to 16 August-2019 .

senior engineer

(Mr. Amar Hill)





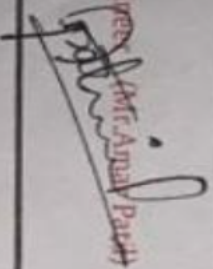
# INDOTECH PRECISION ENGINEERING WORKS

REGD OFFICE: POTIA INDUSTRIAL ESTATE, GROUND FLOORE, BOAT HARD ROAD, DARUKHANA, MUMBAI-400010  
WORKS: GALA NO. A-20, PAVANA INDUSTRIAL ESTATE, PLOT NO. T-204, MIDC, BHOSARI PUNE-411026

## Certification of Internship

This Certificate is presented to **Mr. Amit** USN: 10X16ME008 from The Oxford Collage Of Engineering for completing internship on CNC,VMC machining Technology conducted from 10 july-2019 to 16 August-2019 .

Senior engineer (Mr. Anil Patil)





**INDO AUTOTECH LIMITED UNIT V**

(An ISO 9001:2015, ISO 14001, OHSAS 18001 Certified Co.)

Plot No. 176P, 177P, 178P, 179-181,

Narasapura Indl. Area, Narasapura,

Kolar Taluk - 563133, (Karnataka) INDIA

Phone : 91+129-4028209, 4028210

Unit - 5 : 9845458123

Website : [www.indoautotech.com](http://www.indoautotech.com)

CIN No. : U34300HR2006PLCO36369

Date: 06/02/2020

**To Whomsoever It My Concern**

This is certify that Mr.Chethan M ,Reg No:10X16ME021 student of The Oxford College Of Engineering, Bangalore has undergone **"One Month Internship Training"** in our organization from 06<sup>th</sup> January 2020 to 06<sup>th</sup> February 2020 .

During the Internship training, he was regular & sincere in his work.

**We Wish him good luck for his Future Endeavour**

For INDO AUTOTECH LTD

Authorized Signatory

**Manufacturers of Precision Sheet Metal Component & Sub-assemblies**



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068 (Affiliated to VTU and  
Approved by AICTE)

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that an internship report entitled “**WELDING PROCESS IN AUTOMOBILE INDUSTRY**” has been successfully carried out by **CHETHAN M**, bearing **USN: 10X16ME021** in partial fulfillment for the award of Bachelor of Engineering / Bachelor of Technology in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the 2019-2020 in **The Oxford College Of Engineering**. It is certified that all corrections/suggestions indicated for has been incorporated in the report. The report has been approved as it satisfies the academic requirements in prescribed for the said degree.

Name & Signature of the Guide

Mr. SHIVASHESHADRI M

Signature of the HOD

Dr. MADHUSUDHANA REDDY

Signature of Principal

Dr. A S ARAVIND

External Viva

Name of the examiner with Signature & date

1

2



# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1158/ 2019-20

Date: 16/11/2019



## CERTIFICATE

This is to certify that **Mr. Dharshan Chikkaraddy** (Reg. No.10X16ME104) student of BE(Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "**Engine, Transmission & Bus Body Design**" at BMTC during period from 18/07/2019 to 17/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD).

Head of B.M.T.C. Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shantinagar, Bengaluru-27.



## **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**

### **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the internship work entitled “Engine, Transmission and Bus Body Design” has been carried out by DHARSHAN CHIKKARADDY, bearing USN:1OX16ME104 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

#### **Signature of GUIDE**

Dr. Madhu Sudana Reddy. G

#### **Signature of HOD**

Dr. Madhu Sudana Reddy G

**Examiners:**

- 1)
- 2)

**Signature with date**

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “**G K TECHNO SYNERGY PRECISION**” About how Coordinate measuring machine process is done and organization is managed “has been carried out by GAJENDRA Abearing USN: 10X17ME407a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

Signature of guide

Signature of HOD

Examiners:

Signature with date

1)

2)



## **ACKNOWLEDGEMENT**

The satisfaction and euphoria that accompany the successful completion of any task would be but incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crowned our efforts with success.

I have a great pleasure in expressing my deep sense of gratitude to founder Chairman Late Sri S.Narasa Raju and to our Executive Director Sri S.N.V.L.Narasimha Raju for providing me a great infrastructure and well-furnished labs.

I take this opportunity to express my profound gratitude to the Principal, Dr. A S Arvind for his constant support and encouragement

I am grateful to Dr. G Madhusudhan Reddy, HOD, Department of Mechanical engineering, for his unfailing encouragement and suggestion given to me in the course of my internship work.

Guidance and Deadlines play a very important role in successful completion of the internship report on time. I also convey my gratitude to Prof. Raviprakash M Associate Professor, Department of Mechanical Engineering, for having constantly monitored the development of the internship report and setting up precise deadlines.

Finally, a note of thanks to the Department of Mechanical Engineering, both teaching and non-teaching staff for their co-operation extended.

GAJENDRA. A

1ox17me407

## DECLARATION

I hereby that the internship report entitled “G K TECHNO SYNERGY PRECISION” about how a Coordinate measuring machine process is done and organization is managed.” submitted to the Visvesvaraya Technological University, Belgaum is a record of an original work done by me under the guidance of Dr. Madhusudhan Reddy, Professor and HOD of Mechanical Engineering, The Oxford College Of Engineering and this internship report is submitted in the partial fulfillment of the requirements for the award of the degree of bachelor of engineering in Mechanical Engineering. The results embodied in this report have not been submitted to any other university or institute for the award of any degree.

GAJENDRA A USN

:-10X17ME407

# GK TECHNO SYNERGIES PVT LTD

*Ideas that perform*

CANTER CAMP  
Hosur road, Elect  
Banglore -

Ph#:080-42180030 +91- 98-  
Email: [gopal@synergieprecision.com](mailto:gopal@synergieprecision.com)  
Web: [www.synergieprecision.com](http://www.synergieprecision.com)

Ref NO: 22106/GKSP/19-20

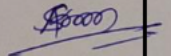
Date: 20-0

## TO WHOM IT MAY CONCERN

This is to certify that **GATENDARA A** bearing ID No: **10x1E407** has successfully completed industrial internship programme from 20-Jan-2020 to 20-Feb-2020. During the period of his internship programme with us he was found punctual, Hard working and inquisitive.

We will wish him every success in life.

Authorized signatory





ದರಸ್ತಿ ವಿಭಾಗ / ಓವರ್‌ಹಾಲ್ ಪ್ರಭಾಗ / OVERHAUL DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED  
ಮಾನವ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ / ಮಾನವ ಸಂಸ್ಥಾನ ವಿಭಾಗ  
HUMAN RESOURCE DEPARTMENT



ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೬, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
ಪೋಸ್ಟ್ ಬಾಗ್ ಸಂ. 1786, ಬೆಂಗಳೂರು - 560017, ಭಾರತ  
Post Bag No.1786, Bengaluru-560017, India  
Ph. : 91-80-22313521, 22322224  
Fax: 91-80-22328112

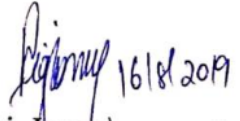
O/HR/IR-251/91/2019

16-08-2019

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr. Gaurav Rathi, student of "The Oxford College of Engineering", Bengaluru has successfully completed his Internship in Overhaul Division, Hindustan Aeronautics Ltd, Bengaluru from 17/07/2019 to 16/08/2019.

2. His conduct and progress during the above period was found to be **SATISFACTORY**.

  
(Rigi Jomy)  
Chief Manager (HR)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15/1, कबुन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಎಸ್ / ಸಿ ಆರ್ ಎನ್ / CIN: L35301KA1963GOI001622 ಇ / E / ई: admin.ohl@hal-india.co.in

www.hal-india.co.in

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by  
AICTE)

## Department of Mechanical Engineering



### CERTIFICATE

This is to certify that the internship work entitled “Overhauling of Mirage 2000 ” has been carried out by Gaurav Rathi, bearing USN: 10X16ME023 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of Guide**

Vinay V

**Signature of HOD**

Prof. Madhu Sudana Reddy G

**Examiners:**

1)

2)

**Signature with date**

No.A/HR/509/3295/2019

19-Aug-2019

## CERTIFICATE

*This is to certify that Mr. Gururaj G ,USN 10X16ME027 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019*

*2. We wish him All the Best, Good Luck and Success in his future endeavors.*

**Mr. Gururaj G**

**BE(Mechanical)**

**The Oxford College of Engineering**

**Bangalore**

**AROCKIA JOTHI B**

**Senior Manager (HR)**

ಶ್ರೀ ಅರೋಕ್ಯಾ ಜೋತಿ B AROCKIA JOTHI  
ವರಿಯತ ಪ್ರವರ್ಧಕ ( ಸೀ ಸಿ ) - ಆಯರ್ಕ್ರಾಫ್ಟ್ ವಿಭಾಗ  
Senior Manager (HR)-Aircraft Division  
ಆರ್.ಎ.ಎ.ಎ. ( ಸೀ ಸಿ ) / HAL (EC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कब्यन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಶಿ ಎ ಎಸ್ / ಸಿ ಆರ್ ಐ ಎನ್ / CIN: U35301KA1963GOI001622 ಇ / ಓ / ಇ / E : ma.haffiz@hal-india.com



# **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**

## **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the internship work entitled “Production management and manufacturing processes of aircrafts and their parts at Aircraft Division, HAL” has been carried out by Gururaj G, bearing USN:1OX16ME027 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

#### **Signature of GUIDE**

Mr. Vinay V

#### **Signature of HOD**

Dr. Madhu Sudana Reddy G

**Examiners:**

- 1)
- 2)

**Signature with date**



# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: /778/ 2019-20

Date: / 9 /03/2020



## CERTIFICATE

This is to certify that Mr. Harsha S (Reg. No.10X16ME028) student of BE (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission & Body Design" during 22/01/2020 to 14/03/2020 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)

B.M.T.C.

Head of the Department  
Human Resources Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.

**THE OXFORD COLLEGE OF ENGINEERING**  
BOMMANAHALLI HOSUR ROAD, BANGALORE -560068 (Affiliated to VTU and  
Approved by AICTE)  
**Department Of Mechanical Engineering**



**CERTIFICATE**

This is to certify that the Internship work entitled “ENGINE TRANSMISSION AND BUS BODY DESIGN” is carried out by HARSHA S (10X16ME028) bearing, a bonafide student of THE OXFORD COLLEGE OF ENGINEERING BANGALORE in partial fulfilment for the award of Degree of **BACHELOR OF ENGINEERING** in Mechanical Engineering of **VISHVESVARYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Internship report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

**Signature of GUIDE**  
**MR.RAGHU K**

Examiner

1.

2.

**Signature of HOD**  
**DR .MADHUSUDAN REDDY G**

Signature with date

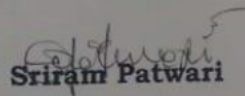


## CERTIFICATE

This is to certify that Mr. Irfan Ahmed (USN: 10X14ME027) studying in 7<sup>th</sup> Semester B E in Mechanical Engineering, The Oxford College of Engineering, Bangalore, has undertaken industrial internship at our organization from 05/07/2019 to 31/07/2019 and has successfully Completed the project work under our guidance.

His performance during the tenure of this internship work is satisfactory.

**For Walvoil Fluid Power India Pvt, Ltd.**



Sriram Patwari

**Asst. Manager - HR & Admin**



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

(Approved by AICTE, New Delhi, accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the internship report entitled “**MANUFACTURING PROCESS OF CENTRIFUGAL PUMP**” has been carried out by **IRFAN AHMED (10X14ME027)** is a bonafied student of **The Oxford College Engineering, Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belgaum** during the year 2019-2020. It is certified that all suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfied the academic requirements in respect of internship prescribed for the said Degree of Bachelor of Engineering.

.....  
**Signature of guide**  
**Mr.Ravi Prakash**

.....  
**Signature of HOD**  
**Dr. Madhusudhan Reddy.G**

.....  
**Signature of Principal**  
**Dr. A.S Aravind**

**Internal Examiner:**  
1.....  
2.....

**External Examiner:**  
1. ....  
2.....

# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University)

Bommanahalli, Bengaluru – 560068

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the internship work entitled “**PROCESS INVOLVED IN MANUFACTURING OF LEAD ACID BATTERIES**” carried out by **Mr. JEEVAN H G** with **USN NO : 10X16ME030** bonafide student of **THE OXFORD COLLEGE OF ENGINEERING**, in partial fulfilment for the award of **Bachelor of Engineering** in **Mechanical Engineering** of the **Visvesvaraya Technology University**, Belgaum during the year 2019 – 2020. It 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 requirement in respect of internship work prescribed for the said Degree

Signature Of Guide

**Mr.Rahul D**

Signature Of HOD

**Dr.G Madhu Sudhana  
Reddy**

Signature Of Principal

**Dr. Aravind A S**

Signature of External



ವಿಮಾನ ವಿಭಾಗ / ಆವರಣ ಪ್ರಭಾಗ / AIRCRAFT DIVISION  
ಬೆಂಗಳೂರು ಕಂಪ್ಲೆಕ್ಸ್ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED



ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
Post Bag No.1788, Bengaluru - 560017, India  
Ph. : 91 -80 -2231 1741  
Fax : 91 -80 -2231 5188

No.A/HR/509/276/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Karmegam D ,USN 10X16ME033 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Karmegam D**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

AROCKIA JOTHI B

Senior Manager (HR)

ಶ್ರೀ ಆರೋಗ್ಯ ಜ್ಯೋತಿ B AROCKIA JOTHI  
ಸೆನಿಯರ್ ಮ್ಯಾನೇಜರ್ (HR) - ಆವರಣ ಪ್ರಭಾಗ  
Senior Manager (HR) Aircraft Division  
ಏರ್‌ಐನ್ (ಬಿ ಸಿ) / HAL (BC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎನ್ / ಸಿ ಆರ್ ಐ ಎನ್ / CIN:U35301KA1963GOI001622 ಡಿ / ಇ / ಇ / E:ma.haffiz@hal-india.com

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# **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**

## **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the Internship work entitled “INTERNSHIP TRAINING AT HAL AIRCRAFT DIVISION” has been carried out by Karmeagam D, bearing USN: 10X16ME033 a Bonafede student of The Oxford college of Engineering, Bangalore in partial fulfilment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of Guide**  
Prof. Raghavendra N

**Signature of HOD**  
Dr. Madhu Sudana Reddy G

**Examiners:**

**Signature with date**

1)

2)

# **THE OXFORD COLLEGE OF ENGINEERING**

**Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)**



## **Department of Mechanical Engineering**

### **CERTIFICATE**

This is to certify that the internship work entitled “Hindustan Aeronautics Limited about how aircraft manufacturing process is done and organization is managed “has been carried out by Karthikeyan R, bearing USN: 1OX16ME036 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

#### **Signature of guide**

Dr.Madhu Sudana Reddy G

Prof and HOD of Mechanical engineering

#### **Signature of HOD**

Dr.Madhu Sudana Reddy G

Prof and HOD of Mechanical engineering

#### **Examiners:**

1)

2)

#### **Signature with date**



ವಿಮಾನ ವಿಭಾಗ / ಆವರಣಾಪಟ ಪ್ರಭಾಗ / AIRCRAFT DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED



ಅಂಚೆ ಕಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
ಪೋಸ್ಟ್ ಬ್ಯಾಗ ಸಂ. 1788, ಬೆಂಗಳೂರು - 560017, ಭಾರತ  
Post Bag No.1788, Bengaluru-560017, India  
Ph. : 91-80-22311741  
Fax : 91-80-22315188

No.A/HR/509/3744/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Karthikeyan R ,USN 10X16ME036 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Karthikeyan R**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

AROCKIA JOTHI B

Senior Manager (HR)

ಶ್ರೀ ಆರೋಗ್ಯ ಜ್ಯೋತಿ/ B. AROCKIA JOTHI  
ವಿಸ್ತೃತ ಪ್ರವರ್ಧಕ ( ಮಾ ಸಂ )-ಆವರಣಾಪಟ ಪ್ರಭಾಗ  
Senior Manager (HR)-Aircraft Division  
ಆರ್‌ಆರ್‌ಎಲ್ (ಬಿ ಸಿ) / HAL (BC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15/1, कब्बन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎನ್ / ಸಿ ಆರ್‌ಐ ಎನ್ / CIN:U35301KA1963GOI001622 ಇ / ई / E : ma.haffiz@hal-india.com

www.hal-india.com

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

(Approved by AICTE, New Delhi, accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to Certify that the internship work entitled **“Preparing and Updating Standard Operating Procedures for Machines in the End Mill Production Unit”** is a bona fide work carried out by **MR. KISHALAY PANDEY (10X16ME039)**, student of The Oxford College of Engineering in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2019 – 2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Signature of the guide

Signature of HOD

Signature of the Principal

**Dr. Madhu Sudana  
Reddy. G**

**Dr A S Aravind**

Name of Examiners:

Signature with Date

- 1.
- 2.



08<sup>th</sup> August 2019  
Bangalore

## CERTIFICATE

This is to certify that **Mr. Kishalay Pandey**, bearing Regd. No: 10X16ME039, BE Mechanical Engineering Student from The Oxford College of Engineering Bangalore, has successfully completed his **internship** in our Organization from **08<sup>th</sup> July 2019 to 07<sup>th</sup> August 2019** under the guidance of **Mr. Santosh kumar Sheelvant, Senior Manager- Manufacturing.**

During his stay with us, we found him to be sincere and his conduct was good.

We wish him all the success in his future endeavors.

For Kennametal India Limited

A handwritten signature in blue ink, appearing to read 'Sidda Reddy S'.

Sidda Reddy S  
Deputy General Manager - Human Resources





ದುರಸ್ತಿ ವಿಭಾಗ / ओवरहॉल प्रभाग / OVERHAUL DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / बेंगलूर कॉम्प्लेक्स / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
हिन्दुस्तान एरोनाटिक्स लिमिटेड  
HINDUSTAN AERONAUTICS LIMITED  
ಮಾನವ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ / मानव संसाधन विभाग  
HUMAN RESOURCE DEPARTMENT



ಅಂಚೆ ಪಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೬, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
पोस्ट बैग सं. 1786, बेंगलूर - 560017, भारत  
Post Bag No.1786, Bengaluru - 560017, India  
Ph. : 91 - 80 - 2231 3521, 2232 2224  
Fax : 91 - 80 - 2232 8112

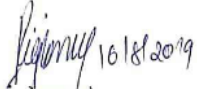
O/HR/IR-251/91/2019

16-08-2019

**TO WHOM SO EVER IT MAY CONCERN**

*This is to certify that Ms. Komal B, student of "The Oxford College of Engineering", Bengaluru has successfully completed her Internship in Overhaul Division, Hindustan Aeronautics Ltd, Bengaluru from 17/07/2019 to 16/08/2019.*

2. *Her conduct and progress during the above period was found to be **SATISFACTORY**.*

  
(Rigi Jomy)  
Chief Manager (HR)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कब्वन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎನ್ / ಸಿ ಆರ್ ಎನ್ / CIN: L35301KA1963GOI001622 ಇ / E / ಕೆ : admin.ohl@hal-india.co.in

www.hal-india.co.in



## **CERTIFICATE**

This is to certify that the internship work entitled “overhauling of mirage 2000 and introduction to Structural details of Electrical flight control system, Engine, Navigation and weapon system, Fuel system, Cockpit pressurisation, Harmonisation, Hydraulics of Mirage 2000” has been carried out by Komal B , bearing USN: 1OX16ME040 a Bonafede student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of Guide**

**Vinay V**

**Signature of HOD**

**Prof. Madhu Sudana Reddy G**

**Examiners:**

- 1)
- 2)

**Signature with date**

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**“JNANA SANGAMA”, BELGAUM-590014**



An Internship Report On  
**“WELDING PROCESS IN AUTOMOBILE INDUSTRY”**

*Submitted in Partial Fulfilment for the Award of Degree of*  
**BACHELOR OF ENGINEERING**

**IN**

**MECHANICAL ENGINEERING**

**DURING THE ACADEMIC YEAR 2019-2020**

**Carried Out & Submitted By**

**LOHIT AKSHAY T V**  
**10X16ME043**

Internship carried out at  
INDO AUTOTECH LIMITED-5  
NARSAPURA, DISTT KOLAR  
BANGALORE-560001



**INDO AUTOTECH LIMITED**

**Under the Esteemed Guidance of**

**Shri. GAJENDRA SHARMA**  
**(Senior engineer, M.TECH )**

External Guide

**Mr. RAGHU K**  
**(ASSISTANT PROFESOR)**

Internal Guide



**CHILDREN'S EDUCATION SOCIETY(REGD.)**

**THE OXFORD COLLEGE OF ENGINEERING**

Bommanahalli, Hosur Road, Bengaluru-560068

Affiliated to Visvesvaraya, Technological University, Belagavi &

Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi





**INDO AUTOTECH LIMITED UNIT V**

(An ISO/TS 16949, ISO 14001, OHSAS 18001 Certified Co.)  
Plot No. 176P, 177P, 178P, 179-181,  
Narasapura Indl. Area, Narasapura,  
Kolar Taluk - 563133, (Karnataka) INDIA  
Phone : 91+129-4028209, 4028210  
Unit-5 : 9845456123  
Website : www.indoautotech.com  
CIN No. : U34300HR2006PLCO36389

Date: 06/02/2020

**To Whomsoever It My Concern**

This is certify that Mr. Lohit Akshay, Reg No:10X16ME043 student of The Oxford College Of Engineering, Bangalore has undergone **“One Month Internship Training”** in our organization from 06<sup>th</sup> January 2020 to 06<sup>th</sup> February 2020 .

During the Internship training, he was regular & sincere in his work.

We Wish him good luck for his Future Endeavour

For INDO AUTOTECH LTD

Authorized Signatory

**Manufacturers of Precision Sheet Metal Component & Sub-assemblies**

Bommanahalli, Hosur Road, Bangalore-560068  
Children's Education Society ®  
THE OXFORD COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by AICTE, Accredited by NAAC, New Delhi & Affiliated to VTU, Belgaum)



## CERTIFICATE

This is to certify that the internship work entitled "**LAKSHMI ENGINEERING**" About how Coordinate measuring machine process is done and organization is managed "has been carried out by NAGARAJAPPA C M bearing USN: 10X17ME414 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

Signature of guide

Signature of HOD

Examiners:

Signature with date

1.

2.

# *L&* Lakshmi Engineering

TOOL DESIGN ENGINEERS

# 555, 4th Main Road, 2nd Stage,  
Peenya Industrial Area, Bangalore – 560  
058.

Mobile : 99450 05220,

E-mail : l\_engg@rediffmail.com

Date: 16.08.2019

## CERTIFICATE

This is to certify that students of the **The Oxford College Of Engineering Bangalore**, has successfully completed there Intership in **DESIGN AND MANUFACTURING** in our organization from **15<sup>th</sup> July 2019 to 14<sup>th</sup> August 2019**.

Mr. NAGARAJAPPA C M

USN NO. 10X17ME414,

Yours truly,

B. H. 

B.H. KRISHNOJI RAO, C.E.O  
LAKSHMI ENGINEERING

*L&* Lakshmi Engineering

# 555, 4th Main Road,  
Peenya 2nd Stage,  
Peenya Industrial Estate,  
BENGALURU - 560 058.

• Design & Manufacturing of Dies for Pressure Die Castings • Press Tools • Injection Moulds



BANGALORE METROPOLITAN TRANSPORT CORPORATION

CENTRAL WORKSHOP SHANTHINAGAR, K.H. ROAD

BANGALORE



CERTIFICATE

This is to certify that

1. NISHANTH KR
2. MAHAMED JAWAD M
3. S SANJAY

have successfully completed their internship on "**STUDY AND PRACTICE OF ENGINE, TRANSMISSION AND BUS BODY DESIGN**" at Bangalore Metropolitan Transport Corporation under the guidance of MR. M. Jagadish towards the partial fulfillment of requirements for the award of degree of "Bachelor of Engineering" in Mechanical Engineering at **OXFORD COLLEGE OF ENGINEERING**. It is certified that the above-mentioned students have successfully completed internship and submitted the internship report in due time.

**M. JAGADISH**

Work Manager

BMTC

SHANTHINAGAR

**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and  
approved by AICTE)

Department of Mechanical Engineering



CERTIFICATE

This is to certify that the internship work entitled “Assembly and working of four stroke Engine” has been carried out by OMKAR S, bearing USN: 1OX16ME058 a Bona-fide student of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019- 2020.

Signature of Guide

Vinay V

Examiners:

- 1)
- 2)

Signature of HOD

Prof. Madhu Sudana Reddy G

Signature with date

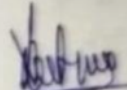
CERTIFICATE

This is to certify that Mr. OMKAR (Reg.No. 1OX16ME058), BE Mechanical Engineering student of the OXFORD COLLEGE OF ENGINEERING, BOMMANAHALLI, BANGALORE. Has successfully completed ONE MONTH INTERNSHIP at our company in partial fulfillment of the requirement for the award of his degree. The period of internship was from 14-01-2020 to 14-02-2020.

During his studies, he has evinced keen interest and his conduct and character were satisfactory.

We wish him all the success in his future endeavors.

For Kailash Motors  
Hero Moto cop

  
Mr. Vaijinath





# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “**Hindustan Aeronautics Limited about how aircraft manufacturing process is done and organization is managed**” has been carried out by P CAVIN WESLEY, bearing USN: 10X16ME059 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

Signature of guide

Signature of HOD

Examiners:

Signature with date

1)

2)

ವಿಮಾನ ವಿಭಾಗ / ಆವರಣ ಪ್ರಭಾಗ / AIRCRAFT DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED



ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
पोस्ट बैग सं. 1788, बंगलूरु - 560017, भारत  
Post Bag No.1788, Bengaluru - 560017, India  
Ph. : 91 - 80 - 2231 1741  
Fax : 91 - 80 - 2231 5188

No.A/HR/509/3350/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Cavin Wesley P ,USN 10X16ME059 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Cavin Wesley P**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

  
AROCKIA JOTHI B

Senior Manager (HR)

ಬಿ ಆರೋಗ್ಯ ಜೋತಿ B AROCKIA JOTHI  
ವರಿಷ್ಠ ಪ್ರबंधक (मा सं)-एयरक्राफ्ट प्रभाग  
Senior Manager (HR)-Aircraft Division  
एचएएल (बी सी) / HAL (BC)

ಪೋಸ್ಟಾಲ್ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कबून रोड, बंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎಲ್ / ಸಿ ಆರ್‌ಐ ಎನ್ / CIN: U35301KA1963GOI001622 ಇ / ई / E : ma.haffiz@hal-india.com



## **CERTIFICATE**

Certified that the Internship work entitled “**A REPORT ON SUEZ SUBMERSIBLE PUMP**” carried out by **PRADEEPKUMAR (10X15ME062)** is a bonafide student of **VIII semester** in partial fulfilment for the award of **Bachelor of Engineering** degree in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **July-August, 2019**. It 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 of Internship work prescribed for the said degree.

**INTERNSHIP GUIDE**

Dr.Madhusuhan reddy  
prof and HOD  
Department Of ME

**HOD**

Dr. Madhusudhan reddy  
Prof and HOD  
Department Of ME

**PRINCIPAL**

Dr. A S Aravind  
Head of the Institution  
TOCE

**Name of the Examiner**

1).....

**Signature with Date**

.....



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “ **Industrial Training in Horizontal Turning Lathe Division** ” has been carried out by PRAHLAD S, bearing USN: 10X16ME061 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

[ Anup M Upadhyaya ]

**Signature of HOD**

[Dr.Madhu Sudana Reddy G ]

**Examiners:**

**Signature with date**

1.

2.



BFW:T &D : 2020  
February 8<sup>th</sup>, 2020

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that the following 7th semester BE – Mechanical Engineering students of The Oxford College of Engineering, Bangalore – 560 068, carried out internship in our organisation from 07.01.2020 to 06.02.2020 Horizontal Turning Division under the guidance of Mr. Christopher Arulanand.

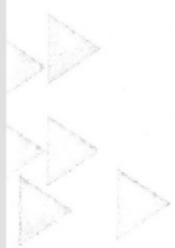
Thammaiah N S : 10X16ME088  
Pralhad S : 10X16ME061

We have found their conduct to be good during their stay with us. They deserve all encouragement.

We wish them all success in their future endeavors.

For **Bharat Fritz Werner Ltd.**,

**Sridhar J**  
**HR Department**



**BHARAT FRITZ WERNER LTD**  
Off Tumkur Road, Bengaluru 560022,India  
Ph: +91 80 39821100, 28395745  
CIN : U85110KA1961PLC001433  
[www.bfwindia.com](http://www.bfwindia.com)

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068

(Affiliated to VTU and approved by AICTE)

## DEPARTMENT OF MECHANICAL ENGINEERING



### **CERTIFICATE**

Certified that the Internship work entitled “**A REPORT ON MANUFACTURING CEMENT**” carried out by **PRAJWAL P PATIL (10X16ME062)** is a bonafide student of **VIII semester** in partial fulfilment for the award of **Bachelor of Engineering** degree in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **July-August, 2019**. It 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 of Internship work prescribed for the said degree.

**INTERNSHIP GUIDE**

Anup M Upadhyaya  
Assistant Professor  
Department Of ME

**HOD**

Dr. Madhusudhan reddy  
Prof and HOD  
Department Of ME

**PRINCIPAL**

Dr. A S Aravind  
Head of the Institution  
TOCE

**Name of the Examiner**

1).....

**Signature with Date**

.....



# CERTIFICATE



VCWS/HRD/2019


Date: 12-08-2020

## CERTIFICATE

This is to certify that **Mr. Prajwal P Patil (US.N. 10X16ME062)**  
B.E.– Mechanical Student of **The Oxford College of Engineering,**  
**Bengaluru** has completed his Internship Training in our Organization from  
**08-07-2019 to 07-08-2019.**

He took keen interest during his Project work.

For Kesoram Inds.Ltd.,  
Unit : Vasavadatta Cement, Sedam

  
**A.M. Shivakumara**  
Manager (HR)

P - 08441 - 276005 / 276391  
F - 08441 - 276139 / 276428  
Hyderabad Office  
P - 91 40 4334 4555  
F - 91 40 4334 4534  
Corporate Office  
E : corporate@kesoram.net

Kesoram Industries Limited  
Cement Division  
Unit - Vasavadatta Cement Works, Post Sedam - 585 222,  
Tq. Sedam, Dist. Kalaburagi, Karnataka  
Hyderabad Office : No. 613 to 616, White House, Block-II, VI Floor, 6-3-1192/1/1,  
Yundankbagh, Begumpet, Hyderabad - 500 016, Telangana, India  
Registered Office : Bina Building, 8th Floor,  
9/1 9/2, Mahatma Road, Kolkata - 700 001  
CIN : L17119WB1919PLC003429



**THE OXFORD COLLEGE OF ENGINEERING**  
(Affiliated to Visvesvaraya Technological University)  
Bommanahalli, Bengaluru – 560068  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship work entitled “**Analysis of wireless Black-Box Recorder for fast Flight Data Recovery during Aircraft Crash Investigation**” carried out by **Mr.PRAJWAL S H** bonafide student of **THE OXFORD COLLEGE OF ENGINEERING**, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technology University, Belgaum during the year 2019 – 2020. It 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 requirement in respect of internship work prescribed for the said Degree

**Signature Of Guide**  
**Mr.Rahul D**

**Signature Of HOD**  
**Dr.G Madhu Sudhana**  
**Reddy**

**Signature Of Principal**  
**Dr. Aravind A S**

**Signature of External**



## AND TECHNOLOGY

Training, Support & Development

Ref: AND/RD/2019/ 19

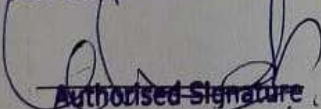
Date: 30/08/2019

### TO WHOM IT MAY CONCERN

This is to certify that Mr. Prajwal S H (10X16ME063), a student of BE (Mechanical Engineering-Seventh SEMESTER), The Oxford College of Engineering, Bommanahalli, Vishvesvaraya Technological University Belagavi has successfully completed 1 (one) month (From 15<sup>th</sup> July, 2019 to 14<sup>th</sup> August, 2019) long internship programme at this R & D/AND TECHNOLOGY. During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him every success in life.

For, AND Technology.  
**For AND TECHNOLOGY**

  
~~Authorised Signature~~  
Authorized Signature



**AND Technology** Postal Address: 1/2/352/492, 2<sup>nd</sup> Floor, M.G palaya Main Rd., Bommanhalli –  
B'lore 560068





## **CERTIFICATE**

Certified that the Internship work entitled “**A REPORT ON MANUFACTURING CEMENT**” carried out by **Pramodkumar (10X16EC058)** is a bonafide student of **VIII semester** in partial fulfilment for the award of **Bachelor of Engineering** degree in **Mechanical Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **July-August, 2019**. It 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 of Internship work prescribed for the said degree.

### **INTERNSHIP GUIDE**

**NAGARAJA T V**  
Assistant Professor  
Department Of ME

### **HOD**

**Dr. Madhusudhan reddy**  
Prof and HOD  
Department Of ME

### **PRINCIPAL**

**Dr. A S Aravind**  
Head of the Institution  
TOCE

### **Name of the Examiner**

1).....

### **Signature with Date**

.....

# CERTIFICATE



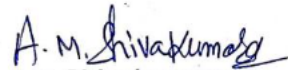
VC/WS/HRD/2019

Date: 06-08-2019

## CERTIFICATE

This is to certify that **Mr. Pramod Kumar (Reg. No. 10X16ME065)** B.E. Mechanical Student of **The Oxford College of Engineering** has completed his Internship Training in our Organization from **08-07-2019 to 07-08-2019**. He took keen interest during his Internship Training.

For Kesoram Inds.Ltd.,  
Unit : Vasavadatta Cement, Sedam

  
**A.M. Shivakumara**  
Manager (HR)

P + 08441 - 276005 / 276391  
F + 08441 - 276139 / 276408  
Hyderabad Office :  
P + 91 40 4334 4555  
F + 91 40 4334 4534  
Corporate Office :  
E : corporate@kesoram.net

Kesoram Industries Limited  
Cement Division  
Unit : Vasavadatta Cement, Works : Post. Sedam - 585 222.  
Tq. Sedam, Dist. Kalaburagi, Karnataka  
Hyderabad Office : No. 613 to 616, White House, Block-III, VI Floor, 6-3-1192/1/1,  
Kundanbagh, Begumpet, Hyderabad - 500 016, Telangana, India.  
Registered Office : Birla Building, 8th Floor,  
9/1 R.N. Mukherjee Road, Kolkata - 700 001.  
CIN - L17119WB1919PLC003429



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**Jnana Sangama, Belgaum – 590014**



**INTERNSHIP REPORT on**

**“Development of hydraulic circuit for reliable testing of diesel filter ”**

**Submitted in partial fulfilment of the requirement for the award of the degree of**

**+**

**BACHELOR OF ENGINEERING  
In  
MECHANICAL ENGINEERING**

**Submitted By**

**PRAMODH N  
10X16ME066**

**Internship Carried Out at  
BOSCH, Adugodi, Hosur road, Bangalore-68**

**Internal Guide**

**Dr.G Madhu Sudana Reddy  
HOD of Mechanical Department  
The Oxford College of Engineering**

**External Guide**

**Mr. Shubodh  
Engineer  
BOSCH**





The Oxford College of Engineering  
Department of Mechanical Engineering  
**THE OXFORD COLLEGE OF ENGINEERING**

(Affiliated to Visvesvaraya Technological University)

**Bommanahalli, Bengaluru – 560068**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship work entitled “**Development of hydraulic circuit for reliable testing of diesel filter**” carried out by **Mr. PRAMODH N** bonafide student of **THE OXFORD COLLEGE OF ENGINEERING**, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technology University, Belgaum during the year 2019 – 2020. It 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 requirement in respect of internship work prescribed for the said Degree

**Signature Of Guide**  
**Dr.G Madhu Sudana**  
**Reddy**

**Signature Of HOD**  
**Dr.G Madhu Sudana**  
**Reddy**

**Signature Of Principal**  
**Dr. Aravind A S**

**Signature of External**

# THE OXFORD COLLEGE OF ENGINEERING

Hosur road, Bommanahalli, Bangalore-560068

DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the internship work entitled “MINISTRY OF DEFENCE, DRDO (GTRE)” is a bonafied work carried out by T PRASANNA AMARNATH (USN: 10X15ME091), CHETHAN S (USN: 10X17ME406), MOHITH BM (USN: 10X17ME413), on partial fulfilment of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING under Visvesvaraya Technological University, Belagavi during the year 2019-2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The seminar report has been approved as it satisfies the academic requirements in respect of seminar work prescribed for the said degree.

-----  
Signature of guide  
Prof. Vidyadhar Pujar

-----  
Signature of HOD  
Dr. Madhu sudhana reddy

-----  
Signature of Principal  
Dr. Aravind A S

External Viva

Name of the Examiners :

Signature with Date :

1)

2)

दूरभाष / Tel : 080 - 25040895  
फैक्स / Fax : 080 - 25241507  
ई-मेल / Email : hrd@gtre.drdo.in



भारत सरकार / Govt of India  
रक्षा मंत्रालय / Ministry of Defence  
रक्षा अनुसंधान तथा विकास संगठन  
Defence Res & Dev Organization  
गैस टरबाइन अनुसंधान स्थापन  
Gas Turbine Research Establishment  
पत्रपेटीसं. 9302, सी.वी.रामननगर  
Post Box No.9302, C.V.Raman Nagar  
बेंगलूर / BENGALURU - 560 093  
Date: 08<sup>th</sup> Aug, 2019



ISO 9001:2015  
Reg. No.: RQ91/10108

No GTRE/HRD/028

## CERTIFICATE

This is to certify that **Mr. T Prasanna Amarnath (10X15ME091)** studying **BE (Mechanical Engineering)** in **The Oxford College of Engineering, Bengaluru** has undergone **Internship** in **Structural Mechanics Group** of this Establishment from 11<sup>th</sup> July 2019 to 08<sup>th</sup> Aug 2019 as a part of **BE Programme**.

The performance, conduct and character of **Mr. T Prasanna Amarnath** have been very good to the best of our knowledge.



बी.के.झा, वैज्ञानिक-एफ  
BK JHA, Scientist - 'F'  
स.नि. (मा.सं.वि.)  
Group Director (HRD)  
कृते निदेशक / For DIRECTOR





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTc: CO: HRD: /779/ 2019-20

Date: /9 /03/2020



## CERTIFICATE

This is to certify that Mr. Punith N M (Reg. No.10X16ME067) student of BE (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission & Body Design" during 22/01/2020 to 14/03/2020 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)

**B.M.T.C.**

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.

**THE OXFORD COLLEGE OF ENGINEERING**  
BOMMANAHALLI HOSUR ROAD, BANGALORE -560068 (Affiliated to VTU and  
Approved by AICTE)  
**Department Of Mechanical Engineering**



**CERTIFICATE**

This is to certify that the Internship work entitled “ENGINE TRANSMISSION AND BUS BODY DESIGN” is carried out by PUNITH N M (10X16ME067) bearing, a bonafide student of THE OXFORD COLLEGE OF ENGINEERING BANGALORE in partial fulfilment for the award of Degree of **BACHELOR OF ENGINEERING** in Mechanical Engineering of **VISHVESVARYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Internship report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

**Signature of GUIDE**  
**MR.RAGHU K**

Examiner

1.

2.

**Signature of HOD**  
**DR .MADHUSUDAN REDDY G**

Signature with date

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

(Approved by AICTE, New Delhi, accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the internship report entitled “ENGINE TRANSMISSION AND BUS BODY DESIGN” has been carried out by **RIYAZ H (10X16ME072)**, **F RAMOJI(10X16ME022)** are the a bonafied student of **The Oxford College Engineering, Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belgaum** during the year 2019-2020. It is certified that all suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfied the academic requirements in respect of internship prescribed for the said Degree of Bachelor of Engineering.

.....  
**Signature of guide**  
**Prof. Ravi Prakash**

.....  
**Signature of HOD**  
**Dr. Madhusudhna Reddy.G**

.....  
**Signature of Principal**  
**Dr. A.S Aravind**

**Internal Examiner:**  
1.....  
2.....

**External Examiner:**  
1. ....  
2.....





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTc: CO: HRD: /781/ 2019-20

Date: 19/03/2020



## CERTIFICATE

This is to certify that Mr. Riyaz H (Reg. No.10X16ME072) student of BE (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission & Body Design" during 22/01/2020 to 14/03/2020 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)

B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.



# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BANGALORE METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTc: CO: HRD: 1780/ 2019-20

Date: 19/03/2020



## CERTIFICATE

This is to certify that Mr. F Ramoji (Reg. No.10X16ME022) student of BE (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission & Body Design" during 22/01/2020 to 14/03/2020 at Bangalore Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)

B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.

# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University)

Bommanahalli, Bengaluru - 560068

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the internship entitled “**PROCESS INVOLVED IN MANUFACTURING OF LEAD ACID BATTERIES**” carried out by **Mr. S. KIRAN(10X16ME073)** and **Mr. VISHNU PRASAD R(10X16ME098)** bonafide students of **THE OXFORD COLLEGE OF ENGINEERING**, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technology University, Belgaum during the year 2019 – 2020. It 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 requirement in respect of internship work prescribed for the said Degree

**Signature Of Guide**

**Mr.Rahul D**

**Signature Of HOD**

**Dr.G Madhu Sudhana  
Reddy**

**Signature Of**

**Principal**

**Dr. Aravind A S**

**Signature of External**





Exide Industries Limited  
Survey No. 246,  
Chidambarampet  
Sevaganapathi Panchayat,  
Hosur Taluk, Krishnagiri Dist.,  
Tamilnadu Pin - 635 103  
email: exidecorp@exide.co.in  
web site: www.muhimbiustries.com  
Ph: 0299445251-252,  
Fax: 04344-25255

REF : EIL/HR/2019/PC-62  
Date : 08.08.2019

### CERTIFICATE

This is to Certify that Mr. S. Kiran (Reg. No. 10X16MEO73 ), B.E. Mechanical Engineering, III year (VI Semester) Student of The Oxford College of Engineering, Karnataka has successfully completed ' An Organisational Study ' at our Factory in partial fulfillment of the requirement for the award of his B.E. Degree. The period of the study was for 4 weeks from 10.07.2019 to 08.08.2019.

During his studies, he has evinced keen interest and his conduct and character were satisfactory.

We wish him all the success in his future endeavours.

For Exide Industries Limited

C. Rajan  
Head - Plant HR





Exide Industries Limited  
Survey No. 246,  
Chichurakanapalli,  
Sevaganapalli Panchayath,  
Hosur Taluk, Krishnagiri Dist.,  
Tamilnadu. Pin - 635 103.  
email: exidecorp@exide.co.in  
visit @ : www.exideindustries.com  
Ph : 09994458251-252,  
Fax : 04344-258255

REF : EIL/HR/2019/PC-63  
Date : 08.08.2019

### CERTIFICATE

This is to Certify that Mr. Vishnu Prasad. R (Reg. No. 10X16MEO98), B.E. Mechanical Engineering, III year (VI Semester) Student of The Oxford College of Engineering, Karnataka has successfully completed ' An Organisational Study ' at our Factory in partial fulfillment of the requirement for the award of his B.E. Degree. The period of the study was for 4 weeks from 10.07.2019 to 08.08.2019.

During his studies, he has evinced keen interest and his conduct and character were satisfactory.

We wish him all the success in his future endeavours.

For Exide Industries Limited

C. Rajan  
Head – Plant HR



**THE OXFORD COLLEGE OF ENGINEERING**  
**Hosur road, Bommanahalli, Bangalore-560068**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship work entitled “**KAILASH ROOFING SOLUTIONS PVT.LTD**” is a bonafied work carried out by **SAHANA** with **USN: 10X17ME418**, on partial fulfillment of **BACHELOR OF ENGINEERING** in **MECHANICAL ENGINEERING** under **Visvesvaraya Technological University, Belagavi** during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The seminar report has been approved as it satisfies the academic requirements in respect of seminar work prescribed for the said degree.

-----  
**Signature of guide**

**Mr. Vinay**

-----  
**Signature of HOD**

**Dr. Madhu sudhana reddy**

-----  
**Signature of Principal**

**Dr. Aravind A S**

**External Viva**

**Name of the Examiners :**

1)

2)

**Signature with Date :**





**Kailash Roofing Solutions Pvt. Ltd.**

Factory : Plot #61, Site No.8, Nadkerappa Indl. Estate,  
Andrahalli Main Road, Hegganahalli, Vishwanedam Post,  
Bangalore-560091. Ph: 080 2836 1527 Fax: 080 2836 5161  
E-mail: sales@kailashroofing.com, Web: www.kailashroofing.com

## CERTIFICATE

This is to certify that Mrs. Sahana , USN 10X17ME418 , a bonafide BE(Mechanical Engineering) student of The Oxford College of Engineering Bangalore, has successfully completed her Internship at Kailash Roofing Solution Pvt. LTD , Tumkur from 20.01.2020 to 20.02.2020

We wish her All the Best, Good Luck and Success in her endeavors

**Mrs. Sahana**

BE (Mechanical Engineering)

The Oxford College of Engineering

Bangalore



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “**G K TECHNO SYNERGY PRECISION**” About how Coordinate measuring machine process is done and organization is managed “has been carried out by SHARATH KUMAR D S bearing USN: 1OX16ME082 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

**Signature of HOD**

**Examiners:**

**Signature with date**

1)

2)

# GK TECHNO SYNERGIES PVT LTD

*Ideas that perform*



CANTER CADD centre,  
Hosur road, Electronic city,  
Banglore – 560 068,  
India,  
Ph#:080-42180030, +91- 9845450906.  
Email: [gopal@synergieprecision.com](mailto:gopal@synergieprecision.com).  
Web: [www.synergieprecision.com](http://www.synergieprecision.com)

Ref NO: 22106/GKSP/19-20

Date: 20-02-2020

## TO WHOM IT MAY CONCERN

This is to certify that Mr. SHARATH KUMAR D S bearing USN: 10X16ME082 has successfully completed industrial internship programme from 20-Jan-2020 to 20-Feb-2020. During the period of his internship programme with us he was found punctual Hardworking and inquisitive.

We will wish him every success in life.

Authorized signatory



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

(Approved by AICTE, New Delhi, accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the internship report entitled “**BARE SPOT FORAMATION IN GALVANIZED ANNEAL LINE IN COLD ROLLING MILL DEPARTMENT**” has been carried out by **SHEIK YASEEN ALI (10X16ME083)** are the a bonafied student of **The Oxford College Engineering, Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belgaum** during the year 2019-2020. It is certified that all suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfied the academic requirements in respect of internship prescribed for the said Degree of Bachelor of Engineering.

.....  
**Signature of guide**  
**Mr.Ravi Prakash**

.....  
**Signature of HOD**  
**Dr. Madhusudhan Reddy.G**

.....  
**Signature of Principal**  
**Dr. A.S Aravind**

**Internal Examiner:**  
1.....  
2.....

**External Examiner:**  
1. ....  
2.....



**JSW Steel Limited**

**Vijayanagar Works :**

P.O. Vidyanagar - 583 275.

Dist. Ballari, Karnataka, India.

CIN. : L27102MH1994PLC152925

Phone : +91 8395 250 120-30

Fax : +91 8395 250 132/142

Website : www.jsw.in

Ref :-JSW/VJNR/CB/INT/2019-20/391

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr. Sheik Yaseen Ali** student of **BE (Mechanical) The Oxford college of Engineering, Bengaluru** has successfully completed his Internship project titled "**Bare Spot Formation in Galvanised Annealing Line**" in "**CRM Department**" in our organization from **07<sup>th</sup> August 2019** to **06<sup>th</sup> Sept 2019**.

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

We wish him success in all his future endeavours.

**Date: 06 Sept 2019**

*Lavkush Anand*  
*6/9/2019*

**Lavkush Anand**  
Manager (HR)

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “**G K TECHNO SYNERGY PRECISION**” About how Coordinate measuring machine process is done and organization is managed “has been carried out by SHIVA SAGAR V P bearing USN: 10X16ME102 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

Signature of guide

Signature of HOD

Examiners:

Signature with date

1)

2)



# GK TECHNO SYNERGIES PVT LTD

*Ideas that perform*



CANTER CADD centre,  
Hosur road, Electronic city,  
Banglore – 560 068,  
India,  
Ph#:080-42180030, +91- 9845450906.  
Email: [gopal@synergieprecision.com](mailto:gopal@synergieprecision.com).  
Web: [www.synergieprecision.com](http://www.synergieprecision.com)

Ref NO: 22106/GKSP/19-20

Date: 20-02-2020

## TO WHOM IT MAY CONCERN

This is to certify that Mr. SHIVA SAGAR V P bearing USN: 10X16ME102 has successfully completed industrial internship programme from 20-Jan-2020 to 20-Feb-2020. During the period of his internship programme with us he was found punctual Hardworking and inquisitive.

We will wish him every success in life.

Authorized signatory

Children's Education Society ®  
THE OXFORD COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by AICTE, Accredited by NAAC, New Delhi & Affiliated to VTU, Belgaum)



**CERTIFICATE**

This is to certify that the internship work entitled “**LAKSHMI ENGINEERING**” About how Coordinate measuring machine process is done and organization is managed “has been carried out by SOMASHEKAR C.P bearing USN: 1OX17ME423 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

**Signature of HOD**

**Examiners:**

**Signature with date**

1.

2.

*Lakshmi Engineering*

TOOL DESIGN ENGINEERS

# 555, 4th Main Road, 2nd Stage,  
Peenya Industrial Area, Bangalore - 560  
058.

Mobile : 99450 05220,

E-mail : l\_engg@rediffmail.com

Date: 16.08.2019

### CERTIFICATE

This is to certify that students of the **The Oxford College Of Engineering Bangalore**, has successfully completed there Intership in **DESIGN AND MANUFACTURING** in our organization from **15<sup>th</sup> July 2019 to 14<sup>th</sup> August 2019**.

**Mr. SOMASHEKAR C P USN NO. 10X17ME423,**

Yours truly,

*B. H. Krishnoji Rao*

**B.H. KRISHNOJI RAO, C.E.O  
LAKSHMI ENGINEERING**

*Lakshmi Engineering*  
# 555, 4th Main Road,  
Peenya 2nd Stage,  
Peenya Industrial Estate,  
BENGALURU - 560 058.

• Design & Manufacturing of Dies for Pressure Die Castings • Press Tools • Injection Moulds



Children's Education Society ®  
THE OXFORD COLLEGE OF ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by AICTE, Accredited by NAAC, New Delhi & Affiliated to Visvesvaraya



## CERTIFICATE

This is to certify that the internship work entitled “**LAKSHMI**  
About how Coordinate measuring machine process is done and org  
“has been carried out by SRINIVAS.V bearing USN: 10X17ME4  
of The Oxford College of Engineering, Bangalore in partial fulfill  
Bachelor of engineering in Mechanical Engineering Of Visves  
University, Belgaum during the year 2019-2020.

**Signature of guide**

S

## *Lakshmi Engineering*

TOOL DESIGN ENGINEERS

# 555, 4th Main Road, 2nd Stage,  
Peenya Industrial Area, Bangalore - 560  
058.

Mobile : 99450 05220.

E-mail : l\_engg@rediffmail.com

Date: 16.08.2019

### CERTIFICATE

This is to certify that students of the **The Oxford College Of Engineering Bangalore**, has successfully completed there Intership in **DESIGN AND MANUFACTURING** in our organization from **15<sup>th</sup> July 2019 to 14<sup>th</sup> August 2019**.

**Mr. SRINIVAS V USN NO. IOX17ME424,**

Yours truly,

*R. H. Rao*

**B.H. KRISHNOJI RAO, C.E.O  
LAKSHMI ENGINEERING**

*Lakshmi Engineering*  
# 555, 4th Main Road,  
Peenya 2nd Stage,  
Peenya Industrial Estate,  
BENGALURU - 560 058.

• Design & Manufacturing of Dies for Pressure Die Castings • Press Tools • Injection Moulds

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

(Approved by AICTE, New Delhi, accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

## DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the internship report entitled “**STUDY ON ENGINE TRANSMISSION AND BUS BODY DESIGN**” has been carried out by **SUBRAMANIYAM N (10X14ME053), SREELAL M R (10X13ME102), GOWTHAM S(10X16ME402), ANKUSH KUMAR MUND (10X16ME009)**, are the a bonafied student of **The Oxford College Engineering, Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belgaum** during the year 2019-2020. It is certified that all suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfied the academic requirements in respect of internship prescribed for the said Degree of Bachelor of Engineering.

.....

**Signature of guide**  
**Mr. T V Nagaraja**

.....

**Signature of HOD**  
**Dr. Madhusudhna Reddy.G**

.....

**Signature of Principal**  
**Dr. A.S Aravind**

**Internal Examiner:**

1.....  
2.....

**External Examiner:**

1. ....  
2.....





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

## BENGALURU METROPOLITAN TRANSPORT CORPORATION

HUMAN RESOURCE DEVELOPMENT DEPARTMENT :: CENTRAL OFFICES

No: BMTC: CO: HRD: 710 / 2019-20

Date: 13-08-2019

17

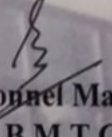


### CERTIFICATE

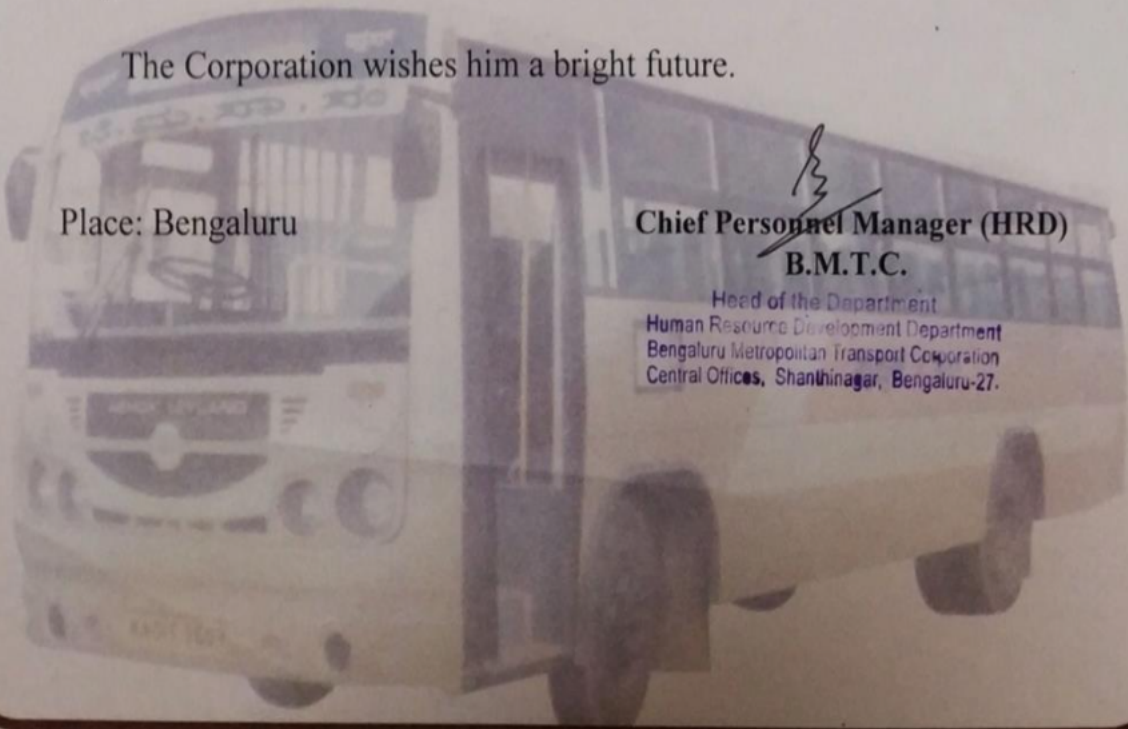
This is to certify that Mr. Sreelal M. R. (USN: 10X13ME102) student of B.E. (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission and Bus Body Design" during 08/07/2019 to 13/08/2019 at Bengaluru Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

  
Chief Personnel Manager (HRD)  
B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.





ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

**BENGALURU METROPOLITAN TRANSPORT CORPORATION**

**HUMAN RESOURCE DEVELOPMENT DEPARTMENT :: CENTRAL OFFICES**

No: BMTC: CO: HRD: 711 / 2019-20

Date: 13-08-2019

17



**CERTIFICATE**

This is to certify that Mr. Subramaniam N. (USN: 10X14ME053) student of B.E. (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission and Bus Body Design" during 08/07/2019 to 13/08/2019 at Bengaluru Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)

B.M.T.C.  
Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Srinathnagar, Bengaluru-27.





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

## BENGALURU METROPOLITAN TRANSPORT CORPORATION

HUMAN RESOURCE DEVELOPMENT DEPARTMENT :: CENTRAL OFFICES

No: BMTCC: CO: HRD: 713 / 2019-20

Date: 13-08-2019

17

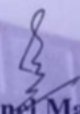


### CERTIFICATE

This is to certify that Mr. Gowtham S. (USN: 10X16ME402) student of B.E. (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission and Bus Body Design" during 08/07/2019 to 13/08/2019 at Bengaluru Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

  
Chief Personnel Manager (HRD)

B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Shanthinagar, Bengaluru-27.





# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

## BENGALURU METROPOLITAN TRANSPORT CORPORATION

HUMAN RESOURCE DEVELOPMENT DEPARTMENT :: CENTRAL OFFICES

No: BMTc: CO: HRD: 7121 2019-20

Date: 13-08-2019

17



### CERTIFICATE

This is to certify that Mr. Ankush Kumar Mund (USN: 10X16ME009) student of B.E. (Mechanical), The Oxford College of Engineering, Bengaluru has successfully completed the internship on the title "Engine, Transmission and Bus Body Design" during 08/07/2019 to 13/08/2019 at Bengaluru Metropolitan Transport Corporation.

The Corporation wishes him a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD)  
B.M.T.C.

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Srinagar, Bengaluru-27

**THE OXFORD COLLEGE OF ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

BENGALURU-560068



**CERTIFICATE**

This is to certify that an internship report entitled “**STUDY ON MANUFACTURING OF SHEET METAL COMPONENTS**” has been successfully carried out by **SUJITH V**, bearing **USN: 10X16ME085** in partial fulfillment for the award of Bachelor of Engineering / Bachelor of Technology in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the 2019-2020 in **The Oxford College Of Engineering**. It is certified that all corrections/suggestions indicated for has been incorporated in the report. The report has been approved as it satisfies the academic requirements in prescribed for the said degree.

Name & Signature of the Guide

Mr. SHIVASHESHADRI M

Signature of the HOD

Dr. MADHUSUDHANA REDDY

Signature of Principal

Dr. A S ARAVIND

External Viva

Name of the examiner with Signature & date

1

2



# AEGIS

## Punching Systems Pvt. Ltd.



A UNIT OF AEGIS INDUSTRIES  
ISO 9001 - 2008 Certified Company  
CIN : U28112KA2009PTC051833

No. 99/20, 20A/21, 9th Cross, Doddanna Indl. Estate, Near Peenya IInd Stage, Bengaluru-560 091.  
Ph. : 080-28360847, Telefax : 28361080 E-mail : [accounts@aegispunching.com](mailto:accounts@aegispunching.com) Website : [www.aegispunching.com](http://www.aegispunching.com)

**Manufacturers of Precision Sheet Metal Components & Finishers**

Date: 20-08-2019

### CERTIFICATE

This is to certify that **Mr. SUJITH V**, (USN: 10X16ME085), a bonafied **BE** (Mechanical Engineering) Seventh Semester student of The Oxford College of Engineering, Bangalore has successfully completed his '**Internship Training**' at Aegis Punching Systems Pvt Ltd, Bangalore from 08-07-2019 to 12-08-2019.

He is sincere and had taken keen interest in completing his Training. We wish him all the best, Good luck and Success in his future endeavors.

For Aegis Punching Systems Pvt Ltd

For *Hali'*  
[MURALIDHAR. N]

(Shivakumar H R)  
Managing Director







# ಬೆಂಗಳೂರು ಮಹಾನಗರ ಸಾರಿಗೆ ಸಂಸ್ಥೆ

ಕೇಂದ್ರ ಕಛೇರಿ : ಬೆಂಗಳೂರು

BENGALURU METROPOLITAN TRANSPORT CORPORATION  
HUMAN RESOURCE DEVELOPMENT DEPARTMENT

No: BMTC: CO: HRD: 1159/ 2019-20

Date: 16/11/2019



## CERTIFICATE

This is to certify that Ms. Sunitha A (Reg. No.10X17ME427) student of BE(Mechanical), The Oxford College of Engineering has successfully completed the internship on the title "Engine,Transmission & Bus Body Design" at BMTC during period from 18/07/2019 to 17/08/2019 at Bengaluru Metropolitan Transport Corporation

The Corporation wishes her a bright future.

Place: Bengaluru

Chief Personnel Manager (HRD).  
B.M.T.C

Head of the Department  
Human Resource Development Department  
Bengaluru Metropolitan Transport Corporation  
Central Offices, Snanthinagar, Bengaluru

---

## **THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)

### **Department of Mechanical Engineering**



### **CERTIFICATE**

This is to certify that the internship work entitled “Engine, Transmission and Bus Body Design” has been carried out by SUNITHA A, bearing USN:1OX17ME427 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

#### **Signature of GUIDE**

Prof.Raghavendra N

#### **Signature of HOD**

Dr. Madhu Sudana Reddy G

**Examiners:**

- 1)
- 2)

**Signature with date**

# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “BEML Limited about how Earth mover manufacturing process is done and organization is managed “has been carried out by TEJAS KUMAR T N, bearing USN: 1OX17ME428 a Bona fide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

**Signature of HOD**

**Examiners:**

**Signature with date**

- 1)
- 2)



# INTERNSHIP CERTIFICATE



## बी ई एम एल लिमिटेड BEML LIMITED

(A Govt. of India Mini Ratna Company under Ministry of Defence)



### Corporate Office :

"BEML SOUDHA",  
Bangalore - 560 027  
Tel. : 080-22223065  
E-mail : office@pr.beml.co.in

### Manufacturing Units :

**Bangalore Complex**  
Tel. : 080-25241752  
e-mail : bemcgm@vsnl.com

**Mysore Complex**  
Tel. : 0821-2402333  
e-mail : bemimys@sancharnet.in

**International Business Division**  
Tel. : +91-80-22963229  
e-mail : offices@export.beml.co.in

**Aerospace Division**  
Tel. : +91-80-22963506 / 575  
e-mail : edd@beml.co.in

**Trading Division**  
Tel. : +91-80-2296 3522 / 524  
e-mail : office@trading.beml.co.in

### Regional Offices :

**Bilaspur**  
Tel. : 07752-252745  
e-mail : bilaspur@rm.beml.co.in

**Chennai**  
Tel. : 044-28220844  
e-mail : chennai@rm.beml.co.in

**Dhanbad**  
Tel. : 0326-2222385  
e-mail : dhanbad@rm.beml.co.in

**Hyderabad**  
Tel. : 040-2322 7032  
e-mail : hyderabad@rm.beml.co.in

**Kolkatta**  
Tel. : 033-22826314  
e-mail : kolkatta@rm.beml.co.in

**Mumbai**  
Tel. : 022-22049490  
e-mail : mumbai@rm.beml.co.in

**Nagpur**  
Tel. : 0712-2246435  
e-mail : nagpur@rm.beml.co.in

**New Delhi**  
Tel. : 011-23316500  
e-mail : delhi@rm.beml.co.in

**Ranchi**  
Tel. : 0651-2560370  
e-mail : ranchi@rm.beml.co.in

**Sambalpur**  
Tel. : 0663-2521804  
e-mail : sambalpur@rm.beml.co.in

**Singrauli**  
Tel. : 07805-268260  
e-mail : singrauli@rm.beml.co.in

Ref : EKT/2019/I-51  
Dtd : 10.01.2020

### INTERNSHIP TRAINING CERTIFICATE

*This is to certify that*

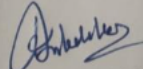
Mr TEJAS KUMAR T N (10X17ME428) BE ( Mechanical Engineering ) student of THE OXFORD COLLEGE OF ENGINEERING BENGALURU has undergone Internship Training in our Organization at BEML Limited, K.G.F Complex from 15.07.2019 To 14.08.2019

In the following Divisions

- 1) Earth Mover Division
- 2) Hydraulic & Power Line Division

*His Character and Conduct were Good during the above period.*

for BEML LIMITED.

  
(KUMAR Y ANKOLEKAR)  
MANAGER-TRAINING

KUMAR Y ANKOLEKAR  
Manager Training  
BEML Limited  
Kolar Gold Fields - 563 115



बी ई एम एल नगर, कोलार गोल्ड फील्ड्स - 563 115

BEML Nagar, Kolar Gold Fields - 563 115, Kamataka, India

Ph. : 08153-263777, 263213, 263123 Fax : 278943, 279022, 262610, 263129, 279032  
e-mail : ede@beml.co.in ek@beml.co.in

008205654745

**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved  
by AICTE)



**Department of Mechanical Engineering**

**CERTIFICATE**

This is to certify that the internship work entitled “Reversible seats for Volvo 8400 and Volvo 9400” has been carried out by Thammaiah N S, bearing USN: 10X16ME088 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

[ Anup M Upadhyaya ]

**Signature of HOD**

[ Dr. Madhu Sudan Reddy G ]

**Examiners:**

1. \_\_\_\_\_

2. \_\_\_\_\_

**Signature with date**

**VOLVO BUSES**



Date

Telephone Dialling

Telex

Our Reference

2<sup>nd</sup> August 2019

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Mr.Thammaiah N S** has undergone an Internship in our organization from 4<sup>th</sup> July 2019 to 2<sup>nd</sup> August 2019, under Product Development Department.

During this tenure we found him to be sincere with great zeal to learn new things.

We wish him all the best in his future endeavors.

**For Volvo Group India Private Limited**

A handwritten signature in blue ink, appearing to read "Naveen BM".

**Naveen BM**  
**AGM – Human Resource**

[www.volvobuses.co.in](http://www.volvobuses.co.in)

**Volvo Group India Private Limited**  
(formerly Volvo India Private Limited)  
Yalachahally, Tavarekere Post  
Hosakote, Bengaluru - 562 122  
Karnataka

**Telephone**  
+91 80 6712 1200  
**Telefax**  
+91 80 6712 1222

**Registration No.**  
CIN : U50101KA1996PTC024176

**Registered Office :**  
Volvo Group India Private Limited  
(formerly Volvo India Private Limited)  
Yalachahally, Tavarekere Post  
Hosakote, Bengaluru - 562 122  
Karnataka



# THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## Department of Mechanical Engineering

### CERTIFICATE

This is to certify that the internship work entitled “**G K TECHNO SYNERGY PRECISION**” About how Coordinate measuring machine process is done and organization is managed “has been carried out by THIPPESH Y N bearing USN: 10X17ME429 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

Signature of guide

Signature of HOD

Examiners:

Signature with date

1)

2)

# GK TECHNO SYNERGIES PVT LTD

*Ideas that perform*



CANTER CADD centre,  
Hosur road, Electronic city,  
Banglore – 560 068,  
India,  
Ph#:080-42180030, +91- 9845450906.  
Email: [gopal@synergieprecision.com](mailto:gopal@synergieprecision.com).  
Web: [www.synergieprecision.com](http://www.synergieprecision.com)

Ref NO: 22106/GKSP/19-20

Date: 20-02-2020

## TO WHOM IT MAY CONCERN

This is to certify that Mr. THIPPESH Y N bearing USN: 10X17ME429 has successfully completed industrial internship programme from 20-Jan-2020 to 20-Feb-2020. During the period of his internship programme with us he was found punctual Hardworking and inquisitive.

We will wish him every success in life.

Authorized signatory

# **THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bommanahalli, Bangalore-560068 (Affiliated to VTU and approved by AICTE)



## **Department of Mechanical Engineering**

### **CERTIFICATE**

This is to certify that the internship work entitled “Hindustan Aeronautics Limited about how aircraft manufacturing process is done and organization is managed” has been carried out by Vijay Kumar A J, bearing USN: 1OX16ME093 a Bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering Of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

**Signature of guide**

**Signature of HOD**

**Examiners:**

**Signature with date**

1)

2)



ವಿಮಾನ ವಿಭಾಗ / ಆಯರ್ಕ್ರಾಫ್ಟ್ ಪ್ರಭಾಗ / AIRCRAFT DIVISION  
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX  
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್  
HINDUSTAN AERONAUTICS LIMITED



ಅಂಚೆ ಪೆಟ್ಟಿಗೆ ಸಂಖ್ಯೆ ೧೭೮೮, ಬೆಂಗಳೂರು-೫೬೦೦೧೭, ಭಾರತ  
पोस्ट बैग सं. 1788, बेंगलूरु - 560017, भारत  
Post Bag No.1788, Bengaluru-560017, India  
Ph. : 91-80-2231 1741  
Fax : 91-80-2231 5188

No.A/HR/509/335/2019

19-Aug-2019

## CERTIFICATE

This is to certify that Mr. Vijay Kumar A J ,USN 10X16ME093 , a bonafide BE(Mechanical) student of The Oxford College of Engineering,Bangalore, has successfully completed his Internship at Aircraft Division, HAL, Bangalore from 15.07.2019 to 14.08.2019

2. We wish him All the Best, Good Luck and Success in his future endeavors.

**Mr. Vijay Kumar A J**

BE(Mechanical)

The Oxford College of Engineering

Bangalore

19/8/19  
AROCKIA JOTHI B

Senior Manager (HR)

ವಿ ಆರೋಗ್ಯ ಜ್ಯೋತಿ / B AROCKIA JOTHI  
ವಸಿಲಿ ಪ್ರಬಂಧಕ ( ಮಾ ಸೆ )-ಆಯರ್ಕ್ರಾಫ್ಟ್ ಪ್ರಭಾಗ  
Senior Manager (HR)-Aircraft Division  
ಆರ್.ಆರ್.ಎಲ್ (ವಿ ಸಿ) / HAL (BC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ

पंजीकृत कार्यालय : 15 /1, कब्बन रोड़, बेंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎನ್ / ಸಿ ಆರ್ ಎನ್ / CIN:U35301KA1963GOI001622 ಇ / ई / E:ma.haffiz@hal-india.com

www.hal-india.com

# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University)

Bommanahalli, Bengaluru - 560068

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the internship work entitled “**Development of hydraulic circuit for reliable testing of diesel filter**” carried out by **Mr. VISHAL A BANAKAR** bonafide student of **THE OXFORD COLLEGE OF ENGINEERING**, in partial fulfilment for the award of **Bachelor of Engineering** in **Mechanical Engineering** of the Visvesvaraya Technology University, Belgaum during the year 2019 – 2020. It 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 requirement in respect of internship work prescribed for the said Degree

**Signature Of Guide**

**Mr.Rahul D**

**Signature Of HOD**

**Dr.G Madhu Sudhana  
Reddy**

**Signature Of Principal**

**Dr. Aravind A S**

**Signature of External**



The Head of The Department  
Department of Mechanical Engineering  
The Oxford College of Engineering  
Hosur Road , Bangalore 560068

Bosch Limited  
(PAN AAACM 9840 P)  
(CIN:  
L85110KA1951PLC000761)  
Post Box No.3000  
Hosur Road, Adugodi  
Bangalore-560030  
Karnataka, India  
Tel +91 80 6752-2393  
Fax +91 80 222-72728  
www.bosch.in

Our Ref:BVC18-INT/PR-96

12 Nov 2018

Dear Sir/Madam

This is to certify that Mr. VISHAL A BANAKAR, student of 4<sup>th</sup> semester, B.E in Mechanical Engineering from The Oxford College of Engineering Bangalore: 560068 has successfully completed the internship on "DEVELOPMENT OF HYDRAULIC CIRCUIT FOR RELIABLE TESTING OF DIESEL FILTERS" from 09.07.2018 to 10.08.2018. HIS performance and conduct during the internship was good.

For Bosch Limited,

A handwritten signature in black ink, appearing to read 'O.P. Goel', written in a cursive style.

**Dr. O. P. Goel**  
General Manager  
Corporate Social Responsibility &  
Head-Bosch Vocational Training (India)





Phone : (080) 25058648  
(080) 25296875  
Fax : (080) 25282011  
email: ns.kumar@debel.drdo.in

भारत सरकार / Government of India  
रक्षा मंत्रालय / Ministry of Defence  
रक्षा अनुसंधान तथा विकास संगठन  
Defence Research & Development Organisation  
रक्षा जीव-अभियांत्रिकी तथा चिकित्सा इलेक्ट्रॉनिकी प्रयोगशाला  
DEFENCE BIOENGINEERING & ELECTROMEDICAL LABORATORY  
सी. वी. रामन नगर / CV Raman Nagar,  
बंगलूर - 560 093 / Bangalore - 560 093.


Ref No.DEBEL/DEP/SP/2019

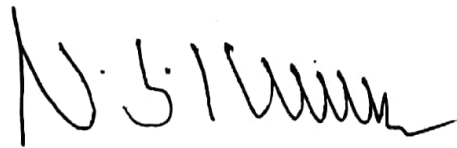
7 Aug 2019

## CERTIFICATE

This is to certify that (1) Ms ASWATHI C (10X16BT005), (2) Ms JASMINE MARY (10X16BT020), (3) Ms YÁSHASWINI BA (10X16BT008), and (4), Ms LAVANYA P (10X16BT024), VI semester student of BE Biotechnology, The Oxford College of Engineering, Bengaluru have successfully completed their summer project work at Defence Bioengineering and Electromedical Laboratory (DEBEL), DRDO, Bengaluru-560093. The students worked on the project for the period from 17 Jul 2019 to 07 Aug 2019.

No part of the studies shall be reproduced, communicated and published without prior written permission from Director, DEBEL, Bengaluru-560093.

  
(Dr K SATHYASEELAN)  
Scientist 'D'



(Dr NS KUMAR)  
Scientist 'G'  
Associate Director(DEP)

An ISO 9001-2008 Certified Company

Ref. No. AB/CF/1259/19

Date: Sep 18<sup>th</sup>, 2019

## CERTIFICATE



*This is to certify that Ms. Keerthana M student of B.E., Biotechnology from The Oxford College of Engineering Bengaluru, has successfully completed "Intensive Programme on Recombinant DNA Technology" from 12<sup>th</sup> July 2019 to 3<sup>rd</sup> Aug 2019 at Azyme Biosciences Pvt Ltd, Bangalore.*

*Mahesh. M*

**Mahesh. M**  
**CEO**





रेशम जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला  
SERI-BIOTECH RESEARCH LABORATORY  
केन्द्रीय रेशम बोर्ड (वस्त्र मंत्रालय, भारत सरकार)  
Central Silk Board (Ministry of Textiles, Govt. of India)  
कार्मेलराम डाक, कोडथी, बंगलूरु 560 035  
Carmelram- Post, Kodathi, BANGALORE – 560 035


CSB/SBRL/TECH/TRAINING/2019-20

Date: 7<sup>th</sup> August 2019

TO WHOMSOEVER IT MAY CONCERN

\*\*\*\*\*

**Ms. Ananya Omprakash B.E** [Biotechnology], final year student of The Oxford College of Engineering, Bangalore has undergone hands on training programme on molecular techniques at this institute from 17<sup>th</sup> July 2019 to 07<sup>th</sup> August 2019. During the period, she learned the molecular biological techniques viz., DNA, RNA isolation from silk moths/ larvae & quantification of RNA, agarose gel electrophoresis, cDNA synthesis, restriction enzyme digestion, ligation and transformation, PCR technique, baculovirus purification. In addition to that she presented the scientific reports in a seminar. Her character and conduct is excellent during the said period.



Dr. K. M. PONNUVEL  
Scientist- D

डॉ. के.एम. पोन्नुवेल

Dr. K. M. Ponnuvel

वैज्ञानिक-डी / Scientist-D

रेशमकीट जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला  
SERIBIOTECH RESEARCH LABORATORY  
केन्द्रीय रेशम बोर्ड, भारत सरकार  
Central Silk Board, Govt. of India  
कार्मेलराम पोस्ट, कोडथी, बंगलूरु - 560 035  
Carmelaram Post, Kodathi, Bangalore - 560 035

दूरभाष Tel 080-65834856, वेबसाइट Website: [www.sbri.res.in](http://www.sbri.res.in),

ई-मेल Email: [sbri@rediffmail.com](mailto:sbri@rediffmail.com)/ [sbri@nic.in](mailto:sbri@nic.in)





रेशम जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला  
SERI-BIOTECH RESEARCH LABORATORY  
केन्द्रीय रेशम बोर्ड (वस्त्र मंत्रालय, भारत सरकार)  
Central Silk Board (Ministry of Textiles, Govt. of India)  
कार्मेलराम डाक, कोडथी, बंगलूरु 560 035  
Carmelram- Post, Kodathi, BANGALORE – 560 035

CSB/SBRL/TECH/TRAINING/2019-20

Date: 7<sup>th</sup> August 2019

TO WHOMSOEVER IT MAY CONCERN

\*\*\*\*\*

**Ms. DevPriya C. B.E** [Biotechnology], final year student of The Oxford College of Engineering, Bangalore has undergone hands on training programme on molecular techniques at this institute from 17<sup>th</sup> July 2019 to 07<sup>th</sup> August 2019. During the period, she learned the molecular biological techniques viz., DNA, RNA isolation from silk moths/ larvae & quantification of RNA, agarose gel electrophoresis, cDNA synthesis, restriction enzyme digestion, ligation and transformation, PCR technique, baculovirus purification. In addition to that she presented the scientific reports in a seminar. Her character and conduct is excellent during the said period.

Dr. K. M. PONNUVEL  
Scientist- D

**डॉ. के.एम. पोणुबेल**

**Dr. K. M. Ponnuvel**

वैज्ञानिक-डी / Scientist-D

रेशमकीट जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला

**SERIBIOTECH RESEARCH LABORATORY**

केन्द्रीय रेशम बोर्ड, भारत सरकार

Central Silk Board, Govt. of India

कार्मेलराम पोस्ट, कोडथी, बंगलूरु - 560 035

Carmelaram Post, Kodathi, Bangalore - 560

दूरभाष Tel: 080-65834856, वेबसाइट Website: [www.sbri.res.in](http://www.sbri.res.in),

ई-मेल: Email: [sbri@rediffmail.com](mailto:sbri@rediffmail.com)/ [sbri@nic.in](mailto:sbri@nic.in)



रेशम जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला  
SERI-BIOTECH RESEARCH LABORATORY  
केन्द्रीय रेशम बोर्ड (वस्त्र मंत्रालय, भारत सरकार)  
Central Silk Board (Ministry of Textiles, Govt. of India)  
कार्मेलराम हाक, कोडथी, बेंगलूर 560 035  
Carmelram- Post, Kodathi, BANGALORE – 560 035

CSB/SBRL/TECH/TRAINING/2019-20

Date: 7<sup>th</sup> August 2019

TO WHOMSOEVER IT MAY CONCERN

\*\*\*\*\*

**Ms. Gowthami N. B.E** [Biotechnology], final year student of The Oxford College of Engineering, Bangalore has undergone hands on training programme on molecular techniques at this institute from 17<sup>th</sup> July 2019 to 07<sup>th</sup> August 2019. During the period, she learned the molecular biological techniques viz., DNA, RNA isolation from silk moths/ larvae & quantification of RNA, agarose gel electrophoresis, cDNA synthesis, restriction enzyme digestion, ligation and transformation, PCR technique, baculovirus purification. In addition to that she presented the scientific reports in a seminar. Her character and conduct is excellent during the said period.

Dr. K. M. PONNUVEL  
Scientist- D

**डॉ. के.एम. पोन्नुवेल**

**Dr. K. M. Ponnuvel**

वैज्ञानिक-डी / Scientist-D

रेशमकीट जैव प्रौद्योगिकी अनुसंधान प्रयोगशाला  
SERIBIOTECH RESEARCH LABORATORY  
केन्द्रीय रेशम बोर्ड, भारत सरकार  
Central Silk Board, Govt. of India  
कार्मेलराम पोस्ट, कोडथी, बेंगलूर - 560 035  
Carmelaram Post, Kodathi, Bangalore - 560 035

दूरभाष Tel: 080-65834856, वेबसाइट Website: [www.sbri.res.in](http://www.sbri.res.in),

ई-मेल: Email: [sbri@rediffmail.com](mailto:sbri@rediffmail.com)/ [sbri@nic.in](mailto:sbri@nic.in)



# CERTIFICATE

This is to certify that **Ms. KRITHIKA S** ( USN No. 10X16BT023 ) student of BE – Biotechnology from " The Oxford College of Engineering " Bangalore, has Completed the training in Microbiology Section and Chemical Section of our Quality Control Department from 09.07.2019 to 08.08.2019 .

She has been trained in Microbial Limit Test, Sterility Testing ,Microbial Assay, Maintenance of Organisms, Water testing , Bacterial Endotoxin Test and also trained in Dissolution, Disintegration tester, Polarimeter, pH meter, Particle counter, HPLC, Gas Chromatography and UV-Spectrophotometer .

During the training period her conduct and performance was good.

We wish her all the best..

FOR KARNATAKA ANTIBIOTICS  
& PHARMACEUTICALS LIMITED

C.S.MARIGOLI  
ASST.GEN.MANAGER-Q.C.

DATE : 12.08.2019  
PLACE: BANGALORE-58



# CERTIFICATE

This is to certify that **Ms. PRATHYUSHA PEDPATI** ( USN No. 10X16BT027 ) student of BE – Biotechnology from " The Oxford College of Engineering " Bangalore, has Completed the training In Microbiology Section and Chemical Section of our Quality Control Department from 09.07.2019 to 08.08.2019 .

She has been trained in Microbial Limit Test, Sterility Testing ,Microbial Assay, Maintenance of Organisms, Water testing , Bacterial Endotoxin Test and also trained in Dissolution, Disintegration tester, Polarimeter, pH meter, Particle counter, HPLC, Gas Chromatography and UV-Spectrophotometer .

During the training period her conduct and performance was good.

We wish her all the best..

**FOR KARNATAKA ANTIBIOTICS  
& PHARMACEUTICALS LIMITED**

**C.S.MARIGOLI  
ASST.GEN.MANAGER-Q.C.**

**DATE : 12.08.2019  
PLACE: BANGALORE-58**



# ASPARTIKA BIOTECH PRIVATE LIMITED

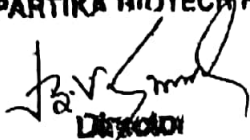
Date: 24<sup>th</sup> October , 2019

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Gowtham M student of BE in Biotechnology from The Oxford College of Engineering has successfully completed 50 days (8<sup>th</sup> July ,2019 - 17<sup>th</sup> August, 2019) internship programme. During the period of his internship programme with us, his performance was appreciable.

We wish him success in all his future endeavors.

For **ASPARTIKA BIOTECH PVT. LTD.**



Authorized Signatory.

GSTIN: 29AANCA3338F12K

CIN: U24232KA2015PTC079484

**R & D UNIT:**  
TECHNOLOGY INCUBATION CENTRE, SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY CAMPUS,  
HUNASAMARANAHALI, INTERNATIONAL AIRPORT ROAD, BANGALORE-562 157  
PH: 9538730365, 9741910575

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

Email: [aspartika.india@gmail.com](mailto:aspartika.india@gmail.com)

[info@aspartika.com](mailto:info@aspartika.com)

## CERTIFICATE OF INTERNSHIP

This is to certify that

**ANNAPOORNA DEVI**

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

has completed his/her internship

on

**Paroxetine in Adolescents with Unipolar Major Depression  
Using Clinical SAS**

**From 8th of July, 2019 to 8th August, 2019**

**Duration : 1 month**

  
On behalf of  
eduvercity



+91 89689 22145



[naha.j@eduvercity.com](mailto:naha.j@eduvercity.com)



406/7, 1<sup>st</sup> Floor, Agave Village, Begur Mohli,  
Srirangapatna Road, Bangalore - 560 102

## CERTIFICATE OF INTERNSHIP

This is to certify that

**ASWATHY K H**

**VI SEM BIOTECHNOLOGY**

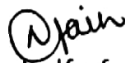
**THE OXFORD COLLEGE OF ENGINEERING**

has completed his/her internship  
on

Paroxetine in Adolescents with Unipolar Major Depression  
Using Clinical SAS

From 8th of July, 2019 to 8th August, 2019

Duration :1 month

  
On behalf of  
eduvercity



+91 80509 22145



[neha.j@eduvercity.com](mailto:neha.j@eduvercity.com)



#66/7, 1<sup>st</sup> Floor, Agara Village, Begur Hobli,  
Sarjapur Road, Bangalore - 560 102

SL.NO - 201940



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

GOVERNMENT OF KARNATAKA

ತೋಟಗಾರಿಕೆ ಇಲಾಖೆ

DEPARTMENT OF HORTICULTURE

ಜೈವಿಕ ಕೇಂದ್ರ, ಹುಳಿಮಾವು, ಬನ್ನೇರುಘಟ್ಟ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 76

Biocentre, Hulimavu, Bannerghatta Road, Bengaluru-76



ಪ್ರಮಾಣ ಪತ್ರ

ಶ್ರೀ./ಶ್ರೀಮತಿ/ಕು. \_\_\_\_\_ ಜೀವಿತಾ ಕೆ. D/o ಆರ್ . ಎ. ಕರುಣಾಕರನ್ \_\_\_\_\_ ರವರು

ದಿನಾಂಕ: \_\_\_\_\_ 15.07.2019 \_\_\_\_\_ ರಿಂದ \_\_\_\_\_ 10.08.2019 \_\_\_\_\_ ರವರೆಗೆ ಅಂಗಾಂಶ ಕೃಷಿ ವಿಭಾಗ,  
ಜೈವಿಕ ಕೇಂದ್ರ, ಹುಳಿಮಾವು, ಬೆಂಗಳೂರು ಇಲ್ಲಿ \_\_\_\_\_ ಅಂಗಾಂಶ ಕೃಷಿ, ಅಣಬೆ ಉತ್ಪಾದನೆ, ಸಸ್ಯಪೋಷಕಾಂಶ  
ಮತ್ತು ಜೈವಿಕ ಪರಿಕರಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ \_\_\_\_\_ ತರಬೇತಿ ಪಡೆದಿರುತ್ತಾರೆಂದು ದೃಢೀಕರಿಸಿದೆ.

CERTIFICATE

This is to certify that

Mr/Ms/Mrs \_\_\_\_\_ JEEVITHA K. D/o. KARUNAKARAN \_\_\_\_\_ has

successfully completed \_\_\_\_\_ Internship Programme on Plant Tissue Culture, Mushroom Cultivation,

Plant Nutrition and Bio Inputs \_\_\_\_\_ From \_\_\_\_\_ 15.07.2019 \_\_\_\_\_ to \_\_\_\_\_ 10.08.2019 \_\_\_\_\_ at Tissue culture

Laboratory, Biocentre, Hullmavu, Bengaluru

Asst. Director of Horticulture  
(Mushroom)

Sr. Asst. Director of Horticulture  
(Plant Nutrition)

Deputy Director of Horticulture  
(Tissue Culture)

Joint Director of Horticulture  
(Biotechnology)



SL.NO - 201941



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

GOVERNMENT OF KARNATAKA

ತೋಟಗಾರಿಕೆ ಇಲಾಖೆ

DEPARTMENT OF HORTICULTURE

ಜೈವಿಕ ಕೇಂದ್ರ, ಹುಳಿಮಾವು, ಬನ್ನೇರುಘಟ್ಟ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 76

Biocentre, Hullimavu, Bannerghatta Road, Bengaluru-76



ಪ್ರಮಾಣ ಪತ್ರ

ಶ್ರೀ/ಶ್ರೀಮತಿ/ಕು. \_\_\_\_\_ ಬಿ. ಹರಿಸ್ಮಿತಾ D/o ಬಿ. ಬಾಸ್ಕರ್ \_\_\_\_\_ ರವರು

ದಿನಾಂಕ: \_\_\_\_\_ 15.07.2019 \_\_\_\_\_ ರಿಂದ \_\_\_\_\_ 10.08.2019 \_\_\_\_\_ ರವರೆಗೆ ಅಂಗಾಂಶ ಕೃಷಿ ವಿಭಾಗ,  
ಜೈವಿಕ ಕೇಂದ್ರ, ಹುಳಿಮಾವು, ಬೆಂಗಳೂರು ಇಲ್ಲಿ \_\_\_\_\_ ಅಂಗಾಂಶ ಕೃಷಿ, ಅಣಬೆ ಉತ್ಪಾದನೆ, ಸಸ್ಯಪೋಷಕಾಂಶ  
ಮತ್ತು ಜೈವಿಕ ಪರಿಕರಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ \_\_\_\_\_ ತರಬೇತಿ ಪಡೆದಿರುತ್ತಾರೆಂದು ದೃಢೀಕರಿಸಿದೆ.

CERTIFICATE

This is to certify that

Mr/Ms/Mrs \_\_\_\_\_ B. HARISMITHA D/o. B. BASKAR \_\_\_\_\_ has

successfully completed \_\_\_\_\_ Internship Programme on Plant Tissue Culture, Mushroom Cultivation,

Plant Nutrition and Bio Inputs \_\_\_\_\_ From \_\_\_\_\_ 15.07.2019 \_\_\_\_\_ to \_\_\_\_\_ 10.08.2019 \_\_\_\_\_ at Tissue culture

Laboratory, Biocentre, Hullimavu, Bengaluru

Asst. Director of Horticulture  
(Mushroom)

Deputy Director of Horticulture  
(Tissue Culture)

Sr. Asst. Director of Horticulture  
(Plant Nutrition)

Joint Director of Horticulture  
(Biotechnology)



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

GOVERNMENT OF KARNATAKA

**ತೋಟಗಾರಿಕೆ ಇಲಾಖೆ**  
**DEPARTMENT OF HORTICULTURE**

ಜೈವಿಕ ಕೇಂದ್ರ, ಹುಳಿಮಾವು, ಬನ್ನೇರುಘಟ್ಟ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 76  
Biocentre, Hullimavu, Bannerghatta Road, Bengaluru-76





ಪ್ರಮಾಣ ಪತ್ರ

ಶ್ರೀ/ಶ್ರೀಮತಿ/ಕು. ಶಿಫಾ ಕೌಸರ್ ರವರು "ಅಣಬೆ ಬೀಜ-ಬೆಳೆ ಉತ್ಪಾದನೆ, ಕೊಯ್ಲೋತ್ತರ ನಿರ್ವಹಣೆ, ಸಂಸ್ಕರಣೆ ಮತ್ತು ಮಾರುಕಟ್ಟೆ ವ್ಯವಸ್ಥೆ" ಕುರಿತ ಕೌಶಲ್ಯಾಭಿವೃದ್ಧಿ ತರಬೇತಿಯನ್ನು ಹುಳಿಮಾವು ಜೈವಿಕ ಕೇಂದ್ರದ ಅಣಬೆ ಪ್ರಯೋಗಾಲಯದಲ್ಲಿ ದಿನಾಂಕ: 15.07.2019 ರಿಂದ 20.07.2019 ರವರೆಗೆ ಪಡೆದಿರುತ್ತಾರೆಂದು ದೃಢೀಕರಿಸಿದೆ.

CERTIFICATE

This is to certify that Shri/ Smt/ Kum. **SHIFA KOUSAR** has acquired Skill Development Training Programme on "Production of Mushroom crop and Spawn, its Post Harvest Management, Processing and Marketing aspects" from 15.07.2019 to 20.07.2019 at Mushroom Laboratory, Biocentre, Hulimavu.

  
Sr. Asst. Director of Horticulture  
(Co-Ordinator)

  
Joint Director of Horticulture  
(Biotechnology)



ಕೋಲಾರ - ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಜಿಲ್ಲಾ ಸಹಕಾರ ಹಾಲು ಉತ್ಪಾದಕರ ಸಂಘಗಳ ಒಕ್ಕೂಟ ನಿಯಮಿತ  
Kolar - Chikkaballapura District Co-operative Milk Producers Societies Union Ltd.

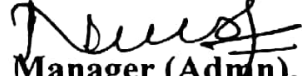
KCMU: ADMN: ೨೨೫೪ : 2019-20

Date : 28.10.2019

## CERTIFICATE

This is to certify that **RAHUL GOWDA C (Reg No: 10X16BT030)**  
The **Oxford College of Engineering, Bangalore** student Studying  
**B.E (Biotechnology)** has Completed Intrenship in dairy entitled as  
**"A STUDY ON QUALITY ANALYSIS OF MILK AND MILK  
PRODUCTS"** at Kolar-Chikkaballapur District Co-operative Milk  
Producers Societies Union Ltd., Kolar. For the period of four weeks.

For Kolar-Chikkaballapur Milk Union Limited,.

  
Manager (Admin).  
Manager (Admin),  
Kolar-Chikkaballapur Dist. Co-operative Milk  
Producers Societies Union Limited,  
KOLAR.

ರಾಷ್ಟ್ರೀಯ ಹೆದ್ದಾರಿ - 75, ಪುತ್ತೂರು ಅಂಚೆ, ಕೋಲಾರ - 563 102.

N.H.75, Huthur Post, Kolar - 563 102

(ISO - 22000 : 2005 Certified)

Ph : 08152-282300, Fax : 08152-282303

E-mail : komulmd@yahoo.co.in, komulmd@gmail.com, website: www.komul.coop



## **Mendel Biotech Nurseries**

**Avalahalli, Bangalore**

**India - 5600 19**

mendel\_biotech@yahoo.com +91 855

3668515

Sept 30, 2019

### **CERTIFICATE OF INTERNSHIP**

*This is to certify that*

*Mr. ELAMPARUTHEE, M.*

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

*has completed his Internship*

*on*

***Micropropagation of banana***

*at our lab From 9<sup>th</sup> of July, 2019 to 9<sup>th</sup> of*

***August, 2019***

***Duration: 1 month***

With best wishes

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



**Dr. R. Pandiarajan**

Director





## **Mendel Biotech Nurseries**

**Avalahalli, Bangalore**

**India - 560049**

**mendel\_biotech@yahoo.com +91 855**

**8668515**

**Sept 30, 2019**

### **CERTIFICATE OF INTERNSHIP**

*This is to certify that*

*Mr. GIRI PRASAD, S.*

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

*has completed his Internship*

*on*

***Micropropagation of banana***

*at our lab From 9<sup>th</sup> of July, 2019 to 9<sup>th</sup> of*

*August, 2019*

***Duration: 1 month***

**With best wishes**



**Dr. R. Pandlrajan**

**Director**



## **Mendel Biotech Nurseries**

**Avalahalli, Bangalore**

**India - 560049**

mendel\_biotech@yahoo.com +91 855  
3668515

Sept 30, 2019

### **CERTIFICATE OF INTERNSHIP**

*This is to certify that*

*Mr. GURU PRASAD, R.K.*

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

*has completed his internship*

*on*

***Micropropagation of banana***

*at our lab From 9<sup>th</sup> of july ,2019 to 9<sup>th</sup> of*

*August,2019*

*Duration: 1 month*

*With Best wishes*

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



**Dr. R. Pandiarajan**

**Director**

# CERTIFICATE

*Awarded*

*to*

*Pratheeksha.G*

*of*

*The Oxford College Of Engineering  
Visvesvaraya Technological University*

*For Successful Completion Of Internship Training In  
Quantitative And Qualitative Analysis of Food &  
Pharmaceuticals.*

*From*

*08/07/2019 TO 02/08/2019*



*Gautham.H*  
Gautham.H  
General Manager

---

**Auriga Research Private Limited.**

(Formerly Auriga Research Ltd)

No. 136, 6th Cross, 2nd Stage, Yeshwanthpur Industrial Suburb, Bangalore-560 022.  
Ph : 080-28396878. E-mail : [admin@aurigaresearch.com](mailto:admin@aurigaresearch.com). Website : [www.aurigaresearch.com](http://www.aurigaresearch.com)

**Registered Office :** Auriga Research Private Limited  
3/15, Kirti Nagar, Industrial Area, New Delhi-110015. CIN : U74899DL1994PTC063731

# CERTIFICATE

*Awarded*

*to*

**Roshni KK**

*of*

*The Oxford College Of Engineering  
Visvesvaraya Technological University*

*For Successful Completion Of Internship Training In  
Quantitative And Qualitative Analysis of Food &  
Pharmaceuticals.*

*From*

**08/07/2019 TO 02/08/2019**



  
**Gautham H**  
General Manager

---

**Auriga Research Private Limited.**

(Formerly Auriga Research Ltd)

No. 136, 6th Cross, 2nd Stage, Yeshwanthpur Industrial Suburb, Bangalore-560 022.  
Ph : 080-28396878. E-mail : [admin@aurigaresearch.com](mailto:admin@aurigaresearch.com). Website : [www.aurigaresearch.com](http://www.aurigaresearch.com)

Registered Office : Auriga Research Private Limited  
3/15, Kirti Nagar, Industrial Area, New Delhi-110015. CIN : U74899DL1994PTC083731



# CERTIFICATE

*Awarded  
to*

*Urvi Narayan*

*of  
The Oxford College Of Engineering  
Visvesvaraya Technological University*

*For Successful Completion Of Internship Training In  
Quantitative And Qualitative Analysis of Food &  
Pharmaceuticals.*

*From*

*08/07/2019 TO 02/08/2019*



*Gautham.H  
General Manager*

---

**Auriga Research Private Limited.**

(Formerly Auriga Research Ltd)

No. 136, 6th Cross, 2nd Stage, Yeshwanthpur Industrial Suburb, Bangalore-560 022.  
Ph : 080-28396878. E-mail : admin@aurigaresearch.com. Website : www.aurigaresearch.com

**Registered Office :** Auriga Research Private Limited  
3/15, Kirti Nagar, Industrial Area, New Delhi-110015. CIN : U74899DL1994PTC063731

## CERTIFICATE OF INTERNSHIP

This is to certify that

**PREETHI K P**

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

has completed his/her internship

on

Study on patients with Impaired Glucose Tolerance or  
patients with Type 2 Diabetes treated with differing  
baseline diabetes therapies.

Using Clinical SAS

From 8<sup>th</sup> of July, 2019 to 8<sup>th</sup> August, 2019

Duration :1 month



On behalf of  
eduvercity



+91 80509 22145



[neha.j@eduvercity.com](mailto:neha.j@eduvercity.com)



#16/7, 1<sup>st</sup> Floor, Agara Village, Begur Hobli,  
Sarjapur Road, Bangalore - 560 102

## CERTIFICATE OF INTERNSHIP

This is to certify that

**SONIYA V**

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

has completed his/her internship

on

Study on patients with Impaired Glucose Tolerance or  
patients with Type 2 Diabetes treated with differing  
baseline diabetes therapies.

Using Clinical SAS

From 8<sup>th</sup> of July, 2019 to 8<sup>th</sup> August, 2019

Duration :1 month



On behalf of  
eduvercity



+91 80509 22145



[neha.j@eduvercity.com](mailto:neha.j@eduvercity.com)



#65/7, 1<sup>st</sup> Floor, Agara Village, Begur Hobli,  
Sarjapur Road, Bangalore - 560 102

## CERTIFICATE OF INTERNSHIP

This is to certify that

**ABDUL BASITH ALI V K**

**VI SEM BIOTECHNOLOGY**

**THE OXFORD COLLEGE OF ENGINEERING**

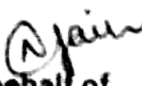
has completed his/her internship  
on

Study on patients with Impaired Glucose Tolerance or  
patients with Type 2 Diabetes treated with differing  
baseline diabetes therapies.

Using Clinical SAS

From 8<sup>th</sup> of July, 2019 to 8<sup>th</sup> August, 2019

Duration : 1 month

  
On behalf of  
eduvercity



+91 80509 22145



[naha.j@eduvercity.com](mailto:naha.j@eduvercity.com)



#65/T, 1<sup>st</sup> Floor, Agara Village, Bagur Hobli,  
Sargapur Road, Bangalore - 560 102



**THE OXFORD COLLEGE OF ENGINEERING**  
**BANGALORE-560068**  
**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship report work entitled "Execution of project, quantity survey placing of reinforcement and gained the practical knowledge of construction" has been successfully carried out by **AMRUTHA H L (10X16CV010)** bona fide student of **The Oxford College Of Engineering, Bangalore** in partial fulfilment for the award of **Bachelor of Engineering in civil Engineering** of **Visvesvaraya Technological University, Belgaum** during the year **2019- 2020**. It is certified that all corrections, suggestions, indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship prescribed for awarding Bachelor of Engineering degree.

**Internal guide**  
**Dr Malleashaiah. T S**  
HOD

**external guide**  
**Ms Suman**  
NCCCL LIMITED

**Head of the Department**  
**DR MALLESHAIAH T S**  
Department of Civil Engineering  
Toce Bangalore

**principal**  
**DR. ARVINDH**  
principal  
Toce Bangalore

Name of the Examiners:

Signature with Date:

**THE OXFORD COLLEGE OF ENGINEERING**  
**BANGALORE-560068**  
**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship report work entitled "Execution of project, quantity survey placing of reinforcement and gained the practical knowledge of construction" has been successfully carried out by **AMRUTHA H L (10X16CV010)** bona fide student of **The Oxford College Of Engineering, Bangalore** in partial fulfilment for the award of **Bachelor of Engineering in civil Engineering** of **Visvesvaraya Technological University, Belgaum** during the year **2019- 2020**. It is certified that all corrections, suggestions, indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship prescribed for awarding Bachelor of Engineering degree.

**Internal guide**  
**Dr Malleashaiah. T S**  
HOD

**external guide**  
**Ms Suman**  
NCCCL LIMITED

**Head of the Department**  
**DR MALLESHAIAH T S**  
Department of Civil Engineering  
Toce Bangalore

**principal**  
**DR. ARVINDH**  
principal  
Toce Bangalore

Name of the Examiners:

Signature with Date:

**THE OXFORD COLLEGE OF ENGINEERING**  
**BANGALORE-560068**  
**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship report work entitled "Execution of project, quantity survey placing of reinforcement and gained the practical knowledge of construction" has been successfully carried out by GURUDATTA TL (10X17CV409) bona fide student of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in civil Engineering of Visvesvaraya Technological University, Belgaum during the year 2019- 2020. It is certified that all corrections, suggestions, indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship prescribed for awarding Bachelor of Engineering degree.

**Internal guide**  
**Dr Mallaeshaiah. T S**  
**HOD**

**external guide**  
**Ms Suman**  
**NCCCL LIMITED**

**Head of the Department**  
**DR MALLESHAIAH T s**  
**Department of Civil Engineering**  
**Toce Bangalore**

**principal**  
**DR. ARVINDH**  
**principal**  
**Toce Bangalore**

**THE OXFORD COLLEGE OF ENGINEERING**

**BANGALORE-560068**

**DEPARTMENT OF**

**CIVIL ENGINEERING**



**CERTIFICATE**

This to certify that ABDUL RAHMAN SHOAIB (10X17CV400), KIRTI RAMCHANDRA LAMBANI (10X17CV415), MOULAHUSSAIN (10X17CV418), RACHAYYA HIREMATH (10X17CV426), RAKESH.L.KAMMAR (10X16CV415) have submitted the Internship project report entitled. They have satisfactorily completed the Internship project prescribed by VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM for 7<sup>th</sup> semester B.E curriculum of CIVIL ENGINEERING in this institute for the academic year 2019-2020.

**Guide**

**Ms. Rakshitha R  
Asst.Prof civil Dept.  
TOCE, Bangalore.**

**H.O.D**

**Dr. T S Malleshaiah  
Asst.Prof. Civil Dept.  
TOCE, Bangalore.**

**Principal**

**Dr. A S Arvind  
TOCE, Bangalore.**

AC  
Go





**THE OXFORD COLLEGE OF ENGINEERING**  
BOMMANAHALLI HOSUR ROAD, BANGALORE -560068  
(Affiliated to VTU and Approved by AICTE)  
**Department Of Civil Engineering**



**CERTIFICATE**

This is to certify that the Internship work entitled "**CONSTRUCTION OF RESIDENTIAL BUILDING**" is carried out by **Mr.T R PRAKASH K N, Mr SAINATH** bearing, a bonafide students of THE OXFORD COLLEGE OF ENGINEERING BANGALORE in partial fulfilment for the award of Degree of **BACHELOR OF ENGINEERING** in Civil Engineering of **VISHVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2019-20.it is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The internship report have been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

---

(Signature of the guide)

External Guide

---

(Signature)

Head of the organisation

**THE OXFORD COLLEGE OF ENGINEERING  
BANGALORE – 560068**



**DEPARTMENT OF CIVIL ENGINEERING**

**CERTIFICATE**

This is to certify that the internship report is a bonafide record of work carried out by Mr. Deekshith K M (10X16CV024), Mr. Hemanth H M (10X17CV411), Mr. Naveenkumar Gotur (10X17CV420), Mr. Nishanth V (10X17CV422), Mr. Rohith M (10X17CV429) in partial fulfilment for the award of the degree of Bachelor of Engineering in Civil Engineering by Visvesvaraya Technological University, Belagavi, during the academic year 2019-20. It is certified that all corrections/suggestions indicated during internal evaluation have been incorporated in this report. The internship report has been approved as it satisfies the academic requirements in respect of the Internship Work (15CV84) prescribed for the award of the said degree.

**Mr. Mahesh Kumar S.**

**Dr T. S. MALEESHAIH.**

**Dr A. S. ARVIND.**

Assistant Professor

Professor

Principal

Internal guide

Head of the Department

TOCE, Bangalore

**External Viva Voce Examination**

**Name of the Examiners  
with Date**

**Signature**

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

**THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU – 560068  
DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship on “**Activities involved in internship**” is a bonafide work carried out by **Mr. SACHIN K S (10X17CV430)** in the partial fulfillment of the award of the degree in **B.E in Civil Engineering** from **The Oxford College of Engineering** under **Visvesvaraya Technological University**, Belgaum for the year **2019-2020**. The internship report has been approved as it satisfies the academic requirement in respect of the internship report prescribed for the said degree.

**INTERNAL GUID**

Dr. MALLESHAIAH T S  
Department of Civil Engineering, TOCE

**HOD**  
Dr. MALLESHAIAH T S  
Department of Civil Engineering, TOCE

**PRINCIPAL**  
Dr. A S ARAVIND KUMAR  
TOCE



**THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU – 560068  
DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the seminar *on* **READYMIX CONCRETE** is a bonafide work carried out by **MRS. ASHWINI R(10X16CV015)** in the partial fulfilment of award of the degree in **BE IN CIVIL ENGINEERING** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2019-20**. The seminar report has been approved as it satisfies the academic requirement in respect of the seminar prescribed for the said degree.

**HOD**                      **Principal**  
**Dr. T S MALLESHAIAH**  
**Department of Civil Engineering, TOCE**

**Dr. A S Arvind**  
**TOCE**

**THE OXFORD COLLEGE OF ENGINEERING**  
**BENGALURU – 560068**  
**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship entitled "*Execution of project, Quantity survey, placing of reinforcement and the practical knowledge of construction work*" is a bonafide work carried out by *Anugraha K (10X16CV013)* in the fulfilment of the award of *Bachelor of Engineering in Civil Engineering* from *The Oxford College of Engineering* under *Visvesvaraya Technological University, Belgavi* during the year 2019-2020. The internship report has been approved as it satisfies the academic requirements in respect of work prescribed for Bachelor of Engineering.

**Internal Guide**

**External Guide**

**Mrs. ANAGHA PRADEEP S K**

**Asst. Professor**

**HOD**

**Principal**

**Dr. T S MALLESHAIAH**

**Dr.A S ARAVIND**

**Department of Civil Engineering,**

**The Oxford College of Engineering**

**TOCE**

**THE OXFORD COLLEGE OF ENGINEERING  
BENGALURU – 560068  
DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the internship on **“Activities involved in Internship”** is a bona fide work carried out by **Mr. MANU U(10X17CV416)** in the partial fulfillment of the award of the degree in **B.E in Civil Engineering** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2019-2020**. The internship report has been approved as it satisfies the academic requirement in respect of the internship report prescribed for the said degree.

**INTERNAL GUIDE**

Dr. MALLESHAIAH T S  
Department of Civil Engineering  
TOCE

**HOD**

Dr. MALLESHAIAH T S  
Department of Civil Engineering  
TOCE

**PRINCIPAL**

Dr. A S ARAVINDKUMAR  
TOCE

A  
G

# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

## DEPARTMENT OF AUTOMOBILE ENGINEERING

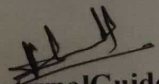


2019 - 2020

### CERTIFICATE

This is to certify that the internship entitled “**STUDY AND PRACTICE ON PRODUCTION OF MAGNET CORE OF STATOR MOTOR, SPARK PLUG ELECTRODE AND SPARK PLUG HOUSING**” is a bonafide work carried out by **MANDANNA K B (10X16AU015)** in partial fulfillment of internship in VII semester, **Bachelor of Engineering** in the course of **Automobile Engineering** at **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belagavi** for the year **2019- 2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

MARUTHI SB  
Asst Professor  
Dept. of AUE, TOCE.

HOD

Dr. RAJU B R  
Professor and HOD  
Dept. of AUE, TOCE

Principal

Dr .A.S.ARAVIND  
Principal, TOCE



# THE OXFORD COLLEGE OF ENGINEERING

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

DEPARTMENT OF AUTOMOBILE ENGINEERING

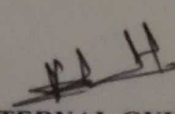


2019-2020

## CERTIFICATE

This is to certify that the internship entitled "PRODUCTION OF PULLEYS AND OTHER AUTOMOBILE COMPONENTS" is a bonafide work carried out by MANOJ KUMAR S REDDY (10X16AU016) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

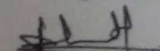
PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi SB
2. \_\_\_\_\_

Signatures

  
\_\_\_\_\_  
\_\_\_\_\_

# THE OXFORD COLLEGE OF ENGINEERING

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

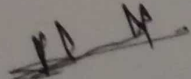
DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that the internship entitled "PRODUCTION OF PULLEYS AND OTHER AUTOMOBILE COMPONENTS" is a bonafide work carried out by MOHAMMED SHAHIDAFRIDI (10X16AU017) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

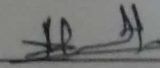
PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi S B
2. \_\_\_\_\_

Signatures

  
\_\_\_\_\_  
\_\_\_\_\_

# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

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DEPARTMENT OF AUTOMOBILE ENGINEERING

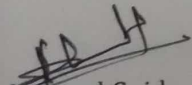


2019 - 2020

## CERTIFICATE

This is to certify that the internship entitled "**PRODUCTION OF SPARKPLUG ELECTRODE AND SPARKPLUG HOUSING**" is a bonafide work carried out by **MOHAMMED SHEZAN W (10X16AU018)** in partial fulfillment of internship in VII semester, **Bachelor of Engineering** in the course of **Automobile Engineering** at **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belagavi** for the year **2019-2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

MARUTHI S B

Asst Professor

Dept. of AUE, TOCE.

HOD

Dr. RAJU B R

Professor and HOD  
Dept. of AUE, TOCE

Principal

Dr .A.S. ARAVIND

Principal, TOCE



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

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DEPARTMENT OF AUTOMOBILE ENGINEERING

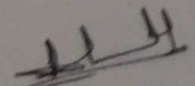


2019 - 2020

## CERTIFICATE

This is to certify that the internship entitled "PRODUCTION OF SPARKPLUG ELECTRODE AND SPARKPLUG HOUSING" is a bonafide work carried out by MUKUNDAN G (10X16AU019) in partial fulfillment of internship in VII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

MARUTHI S

Asst Professor

Dept.of AUE,TOCE.

HOD

Dr. RAJU B R

Professor and HOD  
Dept. of AUE, TOCE

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DEPARTMENT OF AUTOMOBILE ENGINEERING

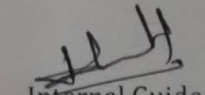


2019 - 2020

## CERTIFICATE

This is to certify that the internship entitled **“PRODUCTION OF SPARKPLUG ELECTRODE AND SPARKPLUG HOUSING”** is a bonafide work carried out by **POOJITH A (10X16AU023)** in partial fulfillment of internship in VII semester, **Bachelor of Engineering** in the course of **Automobile Engineering** at **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belagavi** for the year **2019- 2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide

**MARUTHI S**  
Asst Professor  
Dept.of AUE,TOCE.

HOD

**Dr. RAJU B R**  
Professor and HOD  
Dept. of AUE, TOCE

Principal

**Dr .A.S. ARAVIND**  
Principal, TOCE

# THE OXFORD COLLEGE OF ENGINEERING

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

DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that the internship entitled "PRODUCTION OF PULLEYS AND OTHER AUTOMOBILE COMPONENTS" is a bonafide work carried out by RITHIK R (10X16AU026) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

### INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

### HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

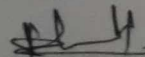
### PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi, SB
2. \_\_\_\_\_

Signatures

  
\_\_\_\_\_

# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE)

## DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

### CERTIFICATE

This is to certify that the internship entitled "ENGINE, TRANSMISSION AND BODY DESIGN" is a bonafide work carried out by SAI PRAJWAL N M(10X16AU027) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

#### INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

#### HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

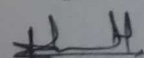
#### PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi. S B
2. \_\_\_\_\_

Signatures

  
\_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bengaluru - 560068

## DEPARTMENT OF AUTOMOBILE ENGINEERING




### CERTIFICATE

This is to certify that the internship work entitled by "*Engine, Transmission And Bus Body Design*" carried out by the student of The Oxford College of Engineering, SHAIK HAMMAD (10X16AU028) in partial fulfillment for the award of "Bachelor of Engineering" as prescribed by VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi during the academic year 2018-19.

It is certified that all corrections/suggestions for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship report prescribed for the said degree.

  
Mr. MARUTHI S B

Guide

  
Dr. RAJU B R

**Professor & Head**  
Department of Automobile Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068.

  
Dr. A S ARAVIND

PRINCIPAL  
Principal

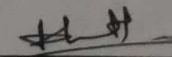
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

Name of examiners

1. Maruthi. S.B

2. \_\_\_\_\_

Signature/Date

  
\_\_\_\_\_

\_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF AUTOMOBILE ENGINEERING

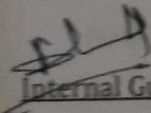


2019 - 2020

## CERTIFICATE

This is to certify that the internship entitled "PRODUCTION OF SPARKPLUG ELECTRODE AND SPARKPLUG HOUSING" is a bonafide work carried out by SHASHANK H T (10X16AU029) in partial fulfillment of internship in VII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

  
Internal Guide  
MARUTHI S B  
Asst Professor  
Dept. of AUE, TOCE.

HOD  
Dr. RAJU B R  
Professor and HOD  
Dept. of AUE, TOCE

Principal  
Dr .A.S. ARAVIND  
Principal, TOCE

# THE OXFORD COLLEGE OF ENGINEERING

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Bommanahalli, Bengaluru - 560068

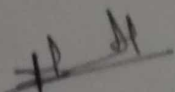
## DEPARTMENT OF AUTOMOBILE ENGINEERING

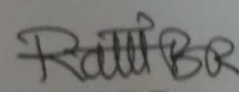


### CERTIFICATE

This is to certify that the internship work entitled by "*Engine, Transmission And Bus Body Design*" carried out by the student of The Oxford College of Engineering, SPOORTI PATIL (IOX16AU030) in partial fulfillment for the award of "Bachelor of Engineering" as prescribed by VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi during the academic year 2018-19.

It is certified that all corrections/suggestions for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship report prescribed for the said degree.

  
Mr. MARUTHI S B  
Guide


  
Dr. RAJU B R  
Professor & Head  
Department of Automobile Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068.

  
Dr. A S ARAVIND  
Principal  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangaluru-560 068.

Name of examiners

1. Maruthi S B
2. \_\_\_\_\_

Signature/Date

  
\_\_\_\_\_  
\_\_\_\_\_

# THE OXFORD COLLEGE OF ENGINEERING

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

DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

## CERTIFICATE

This is to certify that the internship entitled “**PRODUCTION OF PULLEYS AND OTHER AUTOMOBILE COMPONENTS**” is a bonafide work carried out by **SUBASH KUMAR R (10X16AU032)** in partial fulfillment of internship in VIII semester, **Bachelor of Engineering** in the course of **Automobile Engineering** at **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belagavi** for the year **2019-2020**.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

INTERNAL GUIDE

**MARUTHI S B**  
Asst. Professor  
Dept of AUE,  
TOCE

HOD

**Dr. RAJU B R**  
Professor and HOD  
Dept of AUE  
TOCE

PRINCIPAL

**Dr. A S ARVIND**  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi, SB
2. \_\_\_\_\_

Signatures



# THE OXFORD COLLEGE OF ENGINEERING

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

## DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

### CERTIFICATE

This is to certify that the internship entitled “ENGINE, TRANSMISSION AND BODY DESIGN” is a bonafide work carried out by SUBRAMANYA G S (10X16AU033) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

#### INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

#### HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

#### PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi SB
2. \_\_\_\_\_

Signatures

Dr. Raju B R  
\_\_\_\_\_



# THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068  
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## DEPARTMENT OF AUTOMOBILE ENGINEERING



2019-2020

### CERTIFICATE

This is to certify that the internship entitled "ENGINE, TRANSMISSION AND BODY DESIGN" is a bonafide work carried out by SUJAY S SATPUTE (10X16AU034) in partial fulfillment of internship in VIII semester, Bachelor of Engineering in the course of Automobile Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belagavi for the year 2019-2020.

It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

#### INTERNAL GUIDE

MARUTHI S B  
Asst. Professor  
Dept of AUE,  
TOCE

#### HOD

Dr. RAJU B R  
Professor and HOD  
Dept of AUE  
TOCE

#### PRINCIPAL

Dr. A S ARVIND  
PRINCIPAL, TOCE

Name of the examiners

1. Maruthi SB
2. \_\_\_\_\_

Signatures

Dr. Raju B R  
\_\_\_\_\_  
\_\_\_\_\_

# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bengaluru - 560068

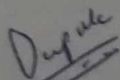
## DEPARTMENT OF AUTOMOBILE ENGINEERING

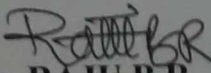


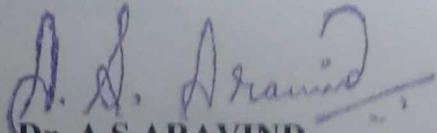
### CERTIFICATE

Certified that the project work entitled by "*Study And Practice of Engine, Transmission And Bus Body Design*" carried about the student of "**The Oxford College of Engineering**"

UDAY V (10X16AU035) in partial fulfillment for the award of "Bachelor of Engineering" as prescribed by **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi** during the academic year **2018-19**. It is certified that all corrections/suggestions for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship report prescribed for the said degree.

  
**Mr. DEEPAK U S**  
Guide

  
**Dr. RAJU B R**  
HOD

  
**Dr. A S ARAVIND**  
Principal


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

**Professor & Head**  
Department of Automobile Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068.

Name of examiners

1. Manjith S B
2. \_\_\_\_\_

Signature/Date

  
\_\_\_\_\_  
\_\_\_\_\_

# BANGALORE METROPOLITAN TRANSPORT CORPORATION

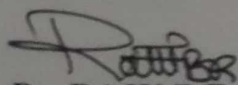
CENTRAL WORKSHOP SHANTHINAGAR, K.H. ROAD

BANGALORE

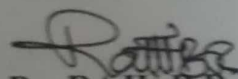


## CERTIFICATE

This is to certify that ZUFI NAIYAR (USN-10X16AU041) has successfully completed the internship on "ENGINE, TRANSMISSION AND BUS BODY DESIGN" at Bangalore Metropolitan Transport Corporation under the guidance of Mr. M Jagadish towards the partial fulfillment of requirements for the award of degree of Bachelor of Engineering in Automobile Engineering at "The Oxford College of Engineering" as prescribed by VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi during the academic year 2018-19. It is certified that I had successfully completed internship and submitted the internship report in due time.

  
Dr. RAJU B R

Guide

  
Dr. RAJU B R

Professor & Head  
Department of Automobile Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068.

  
Dr. A S ARAVIND

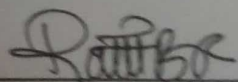
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

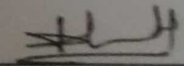
Name of examiners

Signature/Date

1. Dr. Raju B R

2. Maruthi SB

1. 

2. 



# THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)  
Bommanahalli, Bengaluru - 560068

## DEPARTMENT OF AUTOMOBILE ENGINEERING



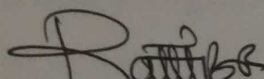
### CERTIFICATE

Certified that the project work entitled by **“STUDY AND PRACTICE OF ENGINE, TRANSMISSION AND BUS BODY DESIGN”** carried about the student of **“The Oxford College of Engineering.”**

**AKSHAY KUMAR N (10X17AU400)** in partial fulfillment for the award of **“Bachelor of Engineering”** as prescribed by **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi** during the academic year **2018-19**. It is certified that all corrections/suggestions for internal assessment have been incorporated in the report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship report prescribed for the said degree.

  
Dr. RAJU B R

Guide

  
Dr. RAJU B R


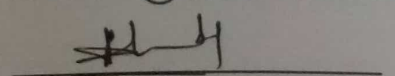
HOD

**Professor & Head**  
Department of Automobile Engineering  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068.

  
Dr. A S ARAVIND  
PRINCIPAL

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

Signature/Date

Name of examiners

1. Dr. Raju B R
2. Maruthi. SB



**SIEMENS**  
Ingenuity for life



# Certificate of Completion

siemens.co.in

This is to certify that **Sunny Mestri**  
bearing number.....**ST2001490111**..... has successfully  
completed **Certificate Course in Automation(100 Hours)** Course

Conducted at

**Govt Tool Room & Training Centre , Bangalore**

from **13-Jan-20** to **24-Jan-20**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited



**SIEMENS**

*Ingenuity for life*



# Certificate of Completion

siemens.co.in

This is to certify that ***Mansoorali Nadaf*** .....

bearing number.....***ST2001490103***..... has successfully

completed ***Certificate Course in Automation(100 Hours)***.... Course

Conducted at

***Govt Tool Room & Training Centre , Bangalore*** .....

from ***13-Jan-20*** to ***24-Jan-20***

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited



**SIEMENS**  
Ingenuity for life



**GT & TC**  
BANGALORE

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The Progress You Get When You Think

# Certificate of Completion

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This is to certify that **Anilkumar Adaki**

bearing number **CMKKY2001800401** has successfully

completed **Certificate Course in Automation and IOT(200 hours)** Course

Conducted at

**Govt Tool Room & Training Centre , Bangalore**

from **27-Jan-20** to **22-Feb-20**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited



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# Certificate of Completion

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**Govt Tool Room & Training Centre , Bangalore**

from **27-Jan-20** to **22-Feb-20**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd.

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited



Prop. N. Raghu  
Mob. : 9448809163  
Fact: 080-28374421



Contact Person :  
R. Prabhakaran  
Mob. : 9449344496

# SURESH PRECISION TOOLS

Mfrs. of : Press Tools & Press Components



No. C-434, 1st Cross, 1st Main Road, Peenya 1st Stage, Peenya Industrial Estate, Bangalore-560 058.  
E-mail : sp\_tools@yahoo.com

21-02-2020

Ref. No.

Date.....

## CERTIFICATE

This is to certify that Mr. SANJAY BABU R, B.E (Mechatronics) student of The Oxford college of engineering, Bengaluru has successfully completed his internship in Production and Quality Control department, SURESH PRECISION TOOLS (Bengaluru-560058), during the period from 13-01-2020 to 15-02-2020 on No-Pay & No-Fee Basis.

(This certificate is issued for academic purpose only.)



For SURESH PRECISION TOOLS

*N. Raghu*  
Proprietor

*R. Suresh*  
(SURESH BABU R)  
GENERAL MANAGER

N. RAGHU  
(Proprietor)

Mob 9986351144

Prop. N. Raghu

Mob. : 9448809163

Fact.: 080-28374421



# SURESH PRECISION TOOLS

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E-mail : sp\_tools@yahoo.com

Ref. No.

21-02-2020

Date.....

## CERTIFICATE

This is to certify that Mr. NIRANJAN .J, B.E (Mechatronics) student of The Oxford college of engineering, Bengaluru has successfully completed his internship in Production and Quality Control department, SURESH PRECISION TOOLS (Bengaluru-560058), during the period from 13-01-2020 to 15-02-2020 on No-Pay & No-Fee Basis.

(This certificate is issued for academic purpose only.)



*R. S. Madh*  
(SURESH BABU .R)

GENERAL MANAGER

Mobile: 9986351144.

For SURESH PRECISION TOOLS

*N. Raghu*

Proprietor

N. RAGHU  
(Proprietor)