



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

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f))

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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)



CERTIFICATE

Certified that the Project entitled "IOT Based Energy Monitoring System" has been carried out by Afreen M(10X15CS004), Israa Bint Rahman Salman(10X15CS039), Manu(10X15CS053), Megha Agarwal(10X15CS055), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Mr. Naveen H.S

Assistant Professor

Dr. E Saravana Kumar

HEAD, DEPARTMENT OF CSE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
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Dr. R. V. Praveena Gowda

Principal, TOCE

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Name of the Examiners

1. Dr. E Saravana Kumar
2. RASHMI R

Signature with Date

11/6/19

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Hosur Road, Bommanahalli, Bangalore-560068

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CERTIFICATE

Certified that the Project entitled "Smart Irrigation System with Disease Detection Analysis" has been carried out by Anurag V(10X15CS013), Anvitha J Shetty(10X15CS014), Brundha T R(10X15CS020), Nagarjun M(10X15CS059), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Dr. E Sarayana Kumar
Project Guide

Dr. E Sarayana Kumar
H.O.D. Dept of CSE
HEAD OF THE DEPARTMENT

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Dr. R. V. Praveena Gowda
PRINCIPAL

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Name of the Examiners

1. Dr. E. Sarayana Kumar
2. Rashmi R

Signature with Date

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CERTIFICATE

Certified that the project work entitled “HELMET MUST BIKE” carried out by Anupriya A (10X15CS012), Fouziya Banu D (10X15CS029), Kirankumar G (10X15CS049), Prajwala R (10X15CS129) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Shobha T
Prof. Shobha T
Project Guide

[Signature] 7/6/19
Dr.E.Saravana kumar

Head of the Department
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Name of the Examiners

1. Dr. E. Saravana Kumar
2. Rasmi R

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[Signature] 4/6/19



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CERTIFICATE

Certified that the project work entitled "MINIMIZING ELECTRICITY THEFT BY USING IOT" carried out by CHANDAN NAIK (10X15CS022), MARUTHI B(10X16CS407), GAGAN S R(10X16CS04), NISHA J(10X15CS065), bonafied students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in report of project work prescribed for the said degree.


Mrs. Tintu Thampi
Project Guide


Dr. E. Saravana Kumar
H.O.D, Dept. of CSE


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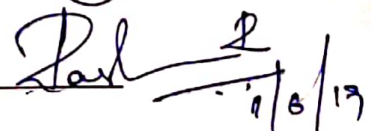
Name of the Examiners

Signature with Date

1. Dr. E. Saravana Kumar


11/6/19

2. Rashmi R


11/6/19



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



CERTIFICATE

Certified that the Project entitled "Rainfall prediction using machine learning techniques" has been carried out by Chethan k(10X15CS025), Genupula Mahesh Reddy(10X15CS031), Monish L(10X15CS058), Namitha A(10X15CS060), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Ms. Seema Patil
Associate Professor

Dr. E Saravana Kumar
H.O. HEAD OF THE DEPARTMENT
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Name of the Examiners

1. Dr. E. Saravana Kumar
2. Kashmi R

Signature with Date

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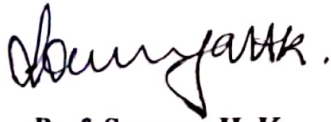
(Affiliated to Visvesvaraya Technological University, Belgaum)

Department of Computer Science and Engineering



CERTIFICATE

Certified that the Project work entitled "IOT BASED SMART PARKING SYSTEM" has been carried out by Disha E (10X15CS027), Gowrishree H L (10X15CS032), J Sonika (10X15CS040) and Zaid Moosaraza (10X15CS126) bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

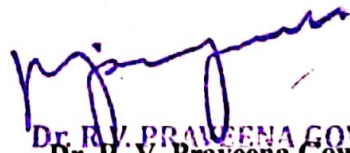


Prof. Sowmya H. K.
Project Guide



Dr. E. Saravana Kumar
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HEAD OF THE DEPARTMENT
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Name of the examiners Signature with date

1. Dr. E. Saravana Kumar
2. Sasani R


11/6/19

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CERTIFICATE

Certified that the project work entitled "AUTONOMOUS AMBULANCE MODEL" carried out by HARISH H (10X15CS035), JENZ JOHN SIMON (10X15CS043), MANU K V(10X15CS127), JAGADEESH VISHAL K (10X15CS128) bonafied students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Mini project report has been approved as it satisfies the academic requirements in report of project work prescribed for the said degree.

Mr. Senthil Kumar

Project Guide

Dr. E. Saravana Kumar

H.O.D. Dept. of CSE
HEAD OF THE DEPARTMENT
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External Viva

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Name of the Examiners

Signature with Date

1. Dr. E. Saravana Kumar

2. Roshini R

Dr. R.V. Praveena Gowda 11/6/19

Roshini R 11/6/19



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CERTIFICATE

Certified that the Project entitled "DENSITY BASED TRAFFIC SIGNAL OPTIMIZATION USING IMAGE PROCESSING" has been carried out by Aiahvaryaa Lakshmi (10X15CS005), Anagha PV(10X15CS009), Apoorva MR (10X15CS015), Joseph Noel Vinodh (10X15CS044), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Prof. Sushma G
Associate Professor

Dr. E Saravana Kumar

HEAD OF THE DEPARTMENT
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Name of the Examiners

1. Dr. E. Saravana Kumar
2. Sushma G

Signature with Date

11/6/19



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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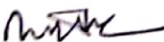
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CERTIFICATE

Certified that the project entitled "HUMAN PROTEIN CLASSIFICATION" carried out by AMAN KUMAR PANDEY (10X15CS008), ANIKET KUMAR SINGH (10X15CS010), KALI KIRAN KUMAR K (10X15CS047) and MANEESH KUMAR V (10X15CS052) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. This is certified that all correction / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect project work.


Prof. Latha
Project Guide

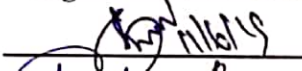


Dr. E. Saravana Kumar
H.O.D, Dept. of CSE
HEAD OF THE DEPARTMENT
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Name of the Examiners

1. Dr. E. Saravana Kumar
2. Roshni R

Signature with Date



11/2/19



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING**


Hosur Road, Bommanahalli, Bangalore-560068

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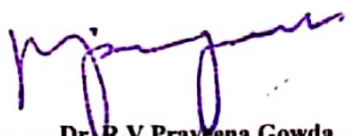
CERTIFICATE

Certified that the project entitled "REAL TIME HAND GESTURE RECOGNITION AND HUMAN_COMPUTER INTERACTION SYSTEM USING OPENCV" carried out by AJAY MOURYA (10X15CS006), HEENA KOUSER (10X15CS036), HIRPARA DIVYANG VINUBHAI (10X15CS038) and JAYKUMAR SAVANI (10X15CS042) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. This is certified that all correction / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect project work.


Ms. J. Jesy Janet Kumari
Project Guide


Dr. E. Saravana Kumar

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Bommanahalli, Hosur Road


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Bengaluru-560 068.

Name of the Examiners

1. SHOBHA-T
2. Dr. S. Ambareesh

Signature with Date

Shobha-T 11/6/19
Dr. S. Ambareesh



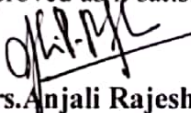
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Hosur Road, Bommanahalli, Bangalore-560068


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




CERTIFICATE

Certified that the Project entitled "Automatic Pet Feeding and Monitoring System Using IOT" has been carried out by Akshatha S V (10X16CS400), Chaithra T C (10X16CS402), Kavya V P(10X16CS405), Manjunath M (10X16CS406), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.


Mrs. Anjali Rajesh
Associate Professor


Dr. E Saravana Kumar
H.O.D / CSE
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
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Dr. R.V Praveena Gowda
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The Oxford College of Engineering
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Name of the Examiners

1. SHOBHA . T
2. Dr. S. Anand

Signature with Date

Shobha . T 11/6/19
Dr. S. Anand 11/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore-560068

(Affiliated to Visvesvaraya Technological University, Belgaum)

Department of Computer Science and Engineering




CERTIFICATE

Certified that the Internship Project work entitled "SMART REFRIGERATOR" has been carried out by NAVENDU (10X15CS062), VISHAL SHARMA (10X15CS125), M BOBORAJ SINGH (10X15CS054) bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Main Project Report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

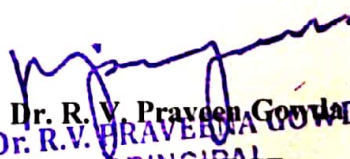

Prof. Florance G.

Project Guide


Dr. E. Saravana Kumar

H.O.D Dept. of CSE
HEAD OF THE DEPARTMENT

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Principal, TOCE

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Name of the examiners Signature with date

1. SHOBHA.T

2. Dr. S. Aravind

Shobha.T 11/6/19
E. Aravind 11/6/19



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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)



CERTIFICATE

Certified that the Project entitled "Smart Vehicle Automated System" has been carried out by Dharshita N S L V(10X15CS025), Lakshmi Priya M (10X15CS050), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Ms. Sushma T S
Assistant Professor

Dr. E Saravana Kumar
H.O.D, CSE

Dr. R V Praveena Gowda
Principal, TOCE

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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External Viva

Name of the Examiners

1. SHOBHA-T
2. Dr. S. Anbaruh

Signature with Date

Shobha T 11/6/19
E. Anbaruh
11/6/19

THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bengaluru – 560068
(Affiliated To Visvesvaraya Technological University, Belagavi)

Department of Computer Science and Engineering



CERTIFICATE

Certified that the project work entitled “**ALEXA BASED SECURITY SYSTEM USING AI AND PI CAMERA**” carried out by **POORNIMA M(10X15CS071), REKHA M(10X15CS087), SNEHA V(10X15CS100), SWATHI SURESH BHATKAL(10X15CS112)** bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of the Degree of **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi** during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Mr. Senthil Kumar
Project Guide

Dr. E. Saravana Kumar
H.O.D. Dept. of CSE
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Name of the Examiners

1. SHOBHA. T
2. Dr. S. Subbaraj

Signature with Date

Shobha T 11/6/19
Dr. S. Subbaraj 11/6/19

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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CERTIFICATE

Certified that the project entitled "Blockchain: A Magic Bullet For Healthcare Cloud-Based Data Security And Isolation" carried out by Supriya P (10X15CS110), Navya G (10X16CS409) and Nithin Singh K (10X16CS056) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. This is certified that all correction / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect project work.

Seema Patil
Prof. Seema Patil
Project Guide

Dr. E. Saravana Kumar
Dr. SARAVANA KUMAR, M.E., Ph.D.
H.O.D. DEPT OF CSE,
ASSOCIATE PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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Name of the Examiners

1. SHOBHA.T
2. Dr. G. Anbarud

Signature with Date

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Dr. G. Anbarud 11/6/19



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)



CERTIFICATE

Certified that the Project entitled "Automated Attendance System based on Facial Recognition" has been carried out by NIVEDITA DHOTRE (10X15CS066), P SAI SAMANTH KUMAR (10X15CS069), POOJA S PRASANNAN (10X15CS074), SAGARIKA SV (10X15CS084), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Naveen H.S
Mr. Naveen H.S
Project Guide

[Signature] 11/6/19
Dr. E Saravana Kumar
HEAD OF THE DEPARTMENT
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BANGALURU - 560 068
External Viva

[Signature]
Dr. R.V Praveena Gowda
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Bengaluru-560 068.

Name of the Examiners

1. *SHOBHA - T*
2. *Dr. S. Ambareen*

Signature with Date

Shobha - T 11/6/19
[Signature] 11/6/19

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Department of Computer Science and Engineering



CERTIFICATE

Certified that the project work entitled “AUTOMATIC AND INTELLIGENT STREET LIGHTING SYSTEM USING IOT AND CLOUD” carried out by RIJO JOHN RAJAN (10X15CS088), SAHANA SHREEDHAR KULKARNI (10X15CS093), SWETHA PRADEEP (10X15CS113), TALARI SURYA TEJA (10X15CS114) bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Dr. E Saravana Kumar
Project Guide

Dr. E Saravana Kumar
Associate Prof & H.O.D, Dept. of CSE
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BENGALURU - 560 068
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Dr. R.V. Praveena Gowda
Principal
PRINCIPAL
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D. SARAVANA KUMAR, M.E., Ph.D.
ASSOCIATE PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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BENGALURU - 560 068

Name of the Examiners

1. SHOBHA J
2. Dr. S. Anbarasu

Signature with Date

Shobha J 11/6/19
S. Anbarasu 11/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore-560068

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

Department of Computer Science and Engineering



CERTIFICATE

Certified that the Project entitled "MOBILE CLOUD COMPUTING IN SMART CITIES VIA RANDOMIZED ALGORITHM" has been carried out by PRIYADARSHINI R (10X15CS078), ROSHINI CS (10X15CS090), RUKSAR M (10X15CS091), SOUNDARYA K (10X15CS103), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect to the project work.

Mrs. Sushma G
Project Guide

Dr. E Sarayana Kumar

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
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DR. R V Praveena Gowda

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Name of the Examiners

1. SHOBHA . J
2. Dr. S. Ambareen

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Shobha . J 11/6/19
S. Ambareen

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


Department of Computer Science and Engineering

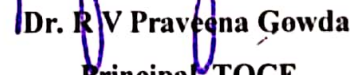


CERTIFICATE

Certified that the project work entitled “DESIGNING A SECURE EXAM MANAGAMENT SYSTEM (SEMS) FOR M-LEARNING ENVIRONMENTS” carried out by PRAVALIKA R (10X15CS077), R K PRATIBHA (10X15CS079), SHILPASHREE M (10X15CS098), SNEHA ALAGOUDA PATIL(10X15CS101) bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mrs. J Jesy Janet Kumari
Project Guide


Dr. E Saravana Kumar
HOD, Dept. of CSE
Dr. SARAVANA KUMAR, M.E., Ph.D.
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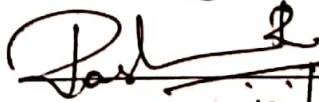
Name of the Examiners

Signature with Date

1. Dr. E. Saravana Kumar

2. Prasanna S


12/6/19


12/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru – 560068

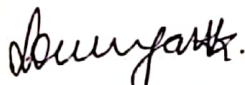
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

Department of Computer Science and Engineering



CERTIFICATE

Certified that the project work entitled “CLASSIFICATION OF DIABETIC RETINOPATHY” carried out by SOWMYA H D (10X15CS105), SULOCHANA (10X15CS108), SWATHI P (10X15CS111), VIJETHA V KANCHAN (10X15CS123) bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mrs. Sowmya H K

Project Guide


Dr. E Saravana Kumar

H.O.D Dept. of CSE
HEAD OF THE DEPARTMENT
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BENGALURU - 560 068

External Viva


Dr. R V Praveena Gowda

Principal, TOCE

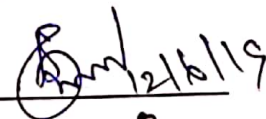
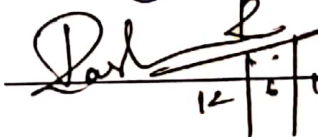
Dr. R.V. PRAVEENA GOWDA
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Name of the Examiners

Signature with Date

1. Dr. E. Saravana Kumar

2. Pashmi



12/12/19

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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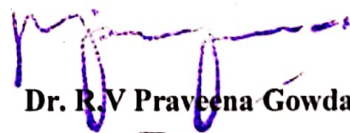


CERTIFICATE

Certified that the Project work entitled “TWO WHEEL SELF BALANCING ROBOT” carried out by PAVAN KALYAN (10X15CS067), PRAJWAL K. S (10X15CS072), PRAJWAL Y (10X15CS073), VIKRANTH K(10X15CS081) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Final Project report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said degree.


Prof. Shobha T
Project Guide


Dr. E Saravana Kumar
Head of the Department
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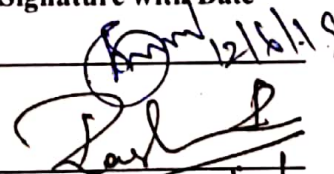
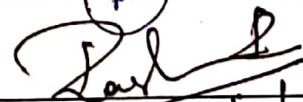

Dr. R.V Praveena Gowda
Principal, TOCE

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Name of the Examiners

1. Dr. E. Saravana Kumar
2. Prof. Shobha T

Signature with Date


12/6/19

12/6/19

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

Department of Computer Science and Engineering

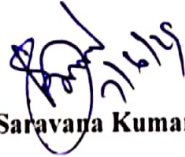


CERTIFICATE

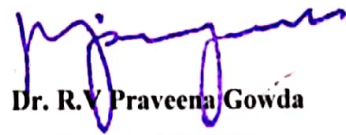
Certified that the project work entitled “Cloud Computing Fitness for E-Government Implementation: Importance-Performance Analysis” carried out by Apoorva M G (10X16CS401), Divya K G (10X16CS403), Sowmya C N (10X15CS410), bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgavi during the year 2018-2019. This is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies academic requirements in respect of project work.



Ms. Sushma T S
Assistant Professor



Dr. E. Saravana Kumar
Head of the department
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Dr. R.V. Praveena Gowda
Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
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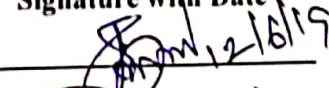
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Name of the Examiners

1. Dr. E. SARAVANA KUMAR

2. Sushma T S

Signature with Date


12/6/19


12/6/19

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

Certified that the project entitled “PERSONALIZED TRAVEL SEQUENCE RECOMMENDATION ON MULTI-SOURCE BIG SOCIAL MEDIA” carried out by Prashant Surin (10X15CS075), Rajdeep Mukherjee (10X15CS082), Ram Prasad Poudel (10X15CS083), Sarath S Jyothis (10X15CS096) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. This is certified that all correction / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect project work.


Ms. Tintu Thampi

Assistant Professor


Dr. E Saravana Kumar

HEAD OF THE DEPARTMENT
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BANGALURU - 560 068
External Viva

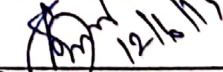


Dr. R.V. Praveena Gowda

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Name of the examiners

1. Dr. E SARAVANA KUMAR
2. Rasmi R

Signature with date


12/16/19

12/16/19

THE OXFORD COLLEGE OF ENGINEERING

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


Department of Computer Science and Engineering

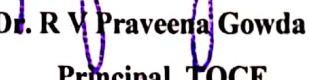


CERTIFICATE

Certified that the project work entitled “ANDROID-BASED INDOOR & OUTDOOR NAVIGATION FOR THE VISUALLY IMPAIRED” carried out by PRATHYAKSHA SHETTY(10X15CS076), SUDARSHAN GOWDA C M (10X15CS106), SUJAI B R (10X15CS107), T. KISHORE REDDY (10X15CS117) bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The final project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mrs Florance
Project Guide


Dr. E Saravana Kumar
Head of the Department


Dr. R V Praveena Gowda
Principal, TOCE

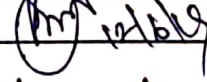

HEAD OF THE DEPARTMENT
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BENGALURU - 560068
External Viva

Dr. R.V. PRAVEENA GOWDA
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Bengaluru-560 068.

Name of the Examiners

1. Dr. E Saravana Kumar
2. Rasmi D

Signature with Date



12/11/19



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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)



CERTIFICATE

Certified that the Project entitled "Real-time Comprehension Classification using Artificial Neural Network" has been carried out by Ramya G(10X15CS085), Rohini R(10X15CS089), Saurabh Tiwary(10X15CS097), Varsha V(10X15CS122), bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. Thus, is certified that all correction / suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect to the project work.


Mrs. Latha R

Assistant Professor


Dr. E. Saravana Kumar

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



Dr. R.V Praveena Gowda

Principal, TOCE
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Bengaluru-560 068.

Name of the Examiners

1. Dr. E. SARAVANA KUMAR
2. Praveena R

Signature with Date


12/8/19

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Bommanahalli, Hosur Road, Bangalore – 560068

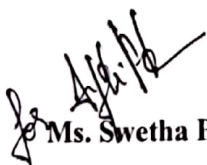
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belagavi)

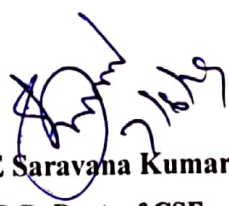
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




CERTIFICATE

Certified that the project entitled "TWITTER SENTIMENTAL ANALYSIS" carried out by Sovanlal Bera (10X15CS104), Uddipta Poddar (10X15CS119) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. This is certified that all correction / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect project work.


Ms. Swetha P
Assistant Professor


Dr. E Saravana Kumar
H.O.D, Dept. of CSE
HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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External Viva


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Name of the examiners

1. SHOBHA. T
2. Dr. S. Ambarish

Signature with date

Shobha. T 11/6/19
Dr. S. Ambarish 11/6/19

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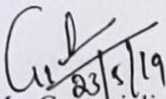
(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



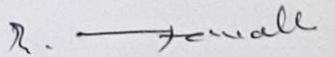
CERTIFICATE

Certified that the project work entitled **"An Automated Agriculture Drone With Disease Detection And Spray Medicine"** carried out by **D RAGNI SHATABDA (10X15IS027)**, **DIVYA V (10X15IS036)** and **MANDARA K M (10X15IS061)**, bonafide students of **The Oxford College Of Engineering, Bengaluru** in the fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


83/5/19

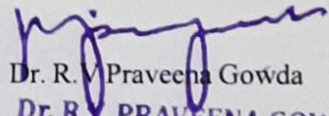
Ms. Geetajali

Asst. Prof, Dept. of ISE



Dr. R. Kanagavalli
Dr. R. KANAGAVALLI

PROFESSOR & HOD-ISE
Professor & Head, Dept. of ISE
The Oxford College Of Engineering
Bommanahalli, Hosur Main Road
Bengaluru - 560 068.



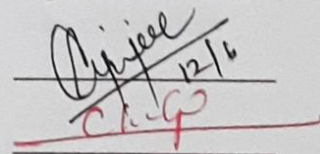
Dr. R. V. Praveena Gowda
Dr. R. V. PRAVEENA GOWDA
Principal, ISE

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Bengaluru - 560 068

Name of the Examiners

1. Ms. Vijaya.S.C
2. Channaappa Gonala

Signature with Date


12/16
Channaappa

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

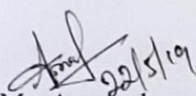
(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering

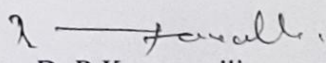


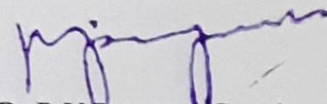
CERTIFICATE

Certified that the project work entitled "FitFlex – Efficient Smart Watch For Workout Tracking" carried out by G VINAY BHARGAV (10X15IS039), GANESH PALLA (10X15IS040) and HARSHA S KULKARNI (10X15IS042) bonified students of The Oxford College Of Engineering, Bengaluru in partial fulfillment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2018-2019. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Mr. Amaresha

Asst.professor

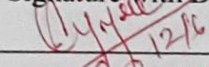

Dr. R. KANAGAVALLI
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Bengaluru - 560 068.
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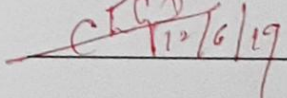

Dr.R.V.Praveena Gowda
DR. R.V. PRAVEENA GOWDA
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Name of the Examiners

1. Ms. Vijaya SC
2. Channappa Gowda D V

Signature with Date


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12/6/19

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(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



CERTIFICATE

Certified that the project work entitled **"Virtuala – The Smart Glass"** carried out by **MAYURI MUNNOLIMATH (10X15IS064)**, **SABA KAUSER (10X15IS099)**, **SHEHZA HUSSAIN (10X15IS1079)** and **VARSHA LOKESH (10X15IS121)**, bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

R. Kanagayalli

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

Professor & Head
The Oxford College of Engineering
Bommanahalli, Hosur Main Road,
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R. Kanagayalli

Dr. R. Kanagayalli
PROFESSOR & HOD-ISE

Professor & Head
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Dr. Praveena Gowda

Dr. Praveena Gowda
Dr. RV. PRAVEENA GOWDA
PRINCIPAL

Principal
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External Viva

Name of the Examiners

1. Vijaya SC
2. Ahannaappa Gowda D.V

Signature with Date

Vijaya SC
12/6

Ahannaappa Gowda D.V
12/6/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



CERTIFICATE

Certified that the Project work entitled **"SMART CANE FOR THE BLIND AND VISUALLY IMPAIRED PEOPLE"** carried out by **MARIA SANJANA G (10X15IS063), RACHITHA R NAYAK (10X15IS087), RUCHITHA K (10X15IS093)**, bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Mrs. Chitra G

Assistant Professor

Dr. R. Kanagavalli

Dr. R. KANAGAVALLI
PROFESSOR & HEAD-ISE

The Oxford College Of Engineering
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Bengaluru, 560 068

External Viva

Dr. Praveena Gowda

Dr. R.V. PRAVEENA GOWDA

Principal, TOCE

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

Name of the Examiners

1 Ms. Vijaya S.C

2 Channappa Gowda D.V

Signature with Date

Praveena
12/6

Chitra
12/6/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

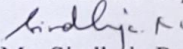
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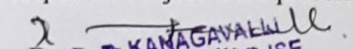
Department of Information Science and Engineering

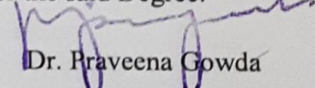


CERTIFICATE

Certified that the project work entitled "Automatic Door Access System Using Face Recognition" carried out by HEMA (10X15IS045), JASHNAVI (10X15IS047) and KODIPALLI MOUNIKA (10X15IS055), bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2018-2019. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Ms. Sindhuja R
Asst. Professor
Dept. of ISE


Dr. R. KANAGAVALLI
PROFESSOR & HOD-ISE
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Professor & Head
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Bengaluru 560 068.
Dept. of ISE

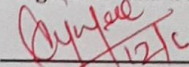
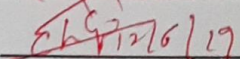

Dr. Praveena Gowda
Principal, TOCE
DR. R.V. PRAVEENA GOWDA
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Bommanahalli, Hosur Road
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External Viva

Name of the Examiners

1. Ms. Vijaya S.C
2. Channappa Gowda D.V

Signature with Date


26/12/19

26/12/19

THE OXFORD COLLEGE OF ENGINEERING

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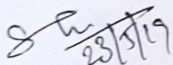
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Department of Information Science and Engineering



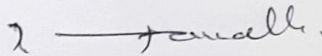
CERTIFICATE

Certified that the project work entitled **"MY FRIEND – A PERSONAL ASSISTANT FOR DRIVER"** carried out by **Kavya S Aiholli (10X15IS053), Mallika G A (10X15IS059), and Manasa K R (10X15IS060)** bonafide students of **The Oxford College Of Engineering, Bengaluru** in the fulfillment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


28/5/19

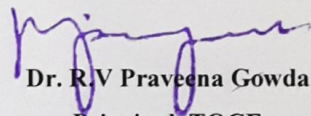
Mrs. Visalini S

Asst. Prof., Dept. of ISE



Dr. R. Kanagavalli

**Professor and
Head of Dept. of ISE**
The Oxford College of Engineering
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Bangalore - 560 068.
External Viva



Dr. R.V. Praveena Gowda

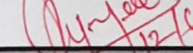
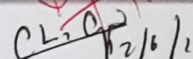
Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
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Bommanahalli, Hosur Road
Bengaluru-560 068.

Name of the Examiners

1. Ms. Vijaya SC
2. Channappa Gowda D.V

Signature with Date


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12/6/19

THE OXFORD COLLEGE OF ENGINEERING

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Department of Information Science and Engineering



CERTIFICATE

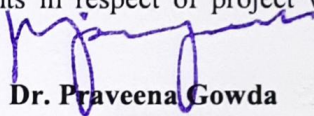
Certified that the Project work entitled "**SMART HELMET WITH CALL CONTROL**" carried out by **POOJA B S (10X15IS075)**, **REEWA R (10X15IS091)**, **SADIYA KAUSAR (10X15IS100)**, **SUSHMITHA N (10X15IS111)** bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Mr. Amaresha 

Prof, Dept of ISE


Dr. R. Kanagavalli

Dr. R. KANAGAVALLI
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Dr. Praveena Gowda

Principal, TOCE

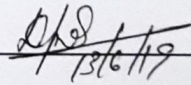
Dr. R.V. PRAVEENA GOWDA
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External Viva

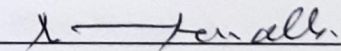
Name of the Examiners

Signature with Date

1. DEEPTI.C


13/10/19

2. Dr. R. Kanagavalli


13/10/19

THE OXFORD COLLEGE OF ENGINEERING BANGALORE

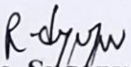
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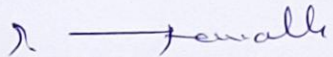
Department of Information Science and Engineering




CERTIFICATE

This is to certify that the project work entitled "Dynamic Connection Load Balancing Using Nano Cloudlet" carried out by PAWAN SHARMA (IOX15IS074), RUKHIYA KULSOOM M (IOX15IS094), SANJANA HARI (IOX15IS103) bonafide student of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect of work prescribed for Bachelor of Engineering.


Mrs. Suganya R
Assistant Professor
Department of ISE


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Professor & HOD ISE
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Bangalore 560 068.

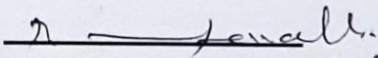

Dr. R.V. Praveena Gowda
Principal, TOCE
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External Viva

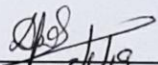
Name of the Examiners

Signature with Date

1. Dr. R. Kanagavalli


13/6/19

2. DEEPTI.C


15/6/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



CERTIFICATE

Certified that the project work entitled **"Parallel data access on distributed file systems through opass algorithm"** carried out by **RAMYA K M (10X15IS090)**, **S NADIYA (10X15IS097)**, **SALINI R S (10X15IS102)** and **SREELAKSHMI V (10X15IS108)**, bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Dr. Vinodha K

Asst.Professor, Dept of ISE

Dr. R. Kanagarajulu
PROFESSOR & HOD-ISE
Prin. & Head Dept of ISE
The Oxford College of Engineering
Bommanahalli, Hosur Main
Bangalore 560 068

External Viva

Dr. Praveena Gowda

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Bengaluru-560 068.

Name of the Examiners

1. Dr. R. Kanagarajulu
2. DEEPTI.C

Signature with Date

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(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering



CERTIFICATE

Certified that the project work entitled **"Advanced License plate recognition and detection"** carried out by **RAKSHITH V(10X15IS089)**, **RUTHWIK SAGAR (10X15IS095)**, **SUDHANVA DESHPANDE (10X15IS098)** and **SUDEEP S D(10X15IS110)**, bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University**, Belagavi, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Mrs. Khaiselvi S

Assistant Professor

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Dr. R. Kanagavalli

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Name of the Examiners

Signature with Date

1. Dr. R. Kanagavalli

X. Kanagavalli
13/6/19

2. DEEPTI C

D/S
13/6/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

(Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi)

Department of Information Science and Engineering

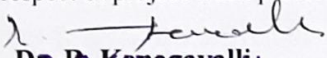


CERTIFICATE

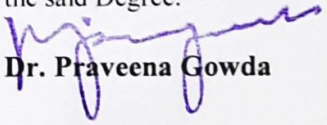
Certified that the Project work entitled "**A NOVEL APPROACH TO PROVIDE PROTECTION FOR WOMEN BY USING SMART RING**" carried out by **RAKSHA K (10X15IS088), SRI ROOPINI U (10X15IS109), SUVARNA PATIL (10X15IS112)** bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.


Ms. P Kokila

Asst.Prof, Dept of ISE


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PROFESSOR & HOD-ISE

The Oxford College Of Engineering
Bommanahalli, Hosur Main Road,
Bangalore 560 068.
Prof & Head Dept of ISE


Dr. Praveena Gowda

Principal, TOCE

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Bengaluru-560 068.

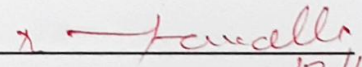
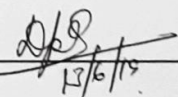
Signature with Date

Name of the Examiners

External Viva

1 Dr. R. Kanagavalli

2. DEEPTI-C


13/6/19

13/6/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

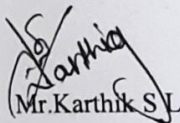
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Department of Information Science and Engineering

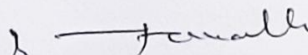


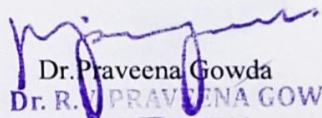
CERTIFICATE

Certified that the project work entitled "**Brain Tumor Detection and Classification**" carried out by **POOJA M R (10X15IS076)**, **PRAKRUTHI P S (10X15IS077)** AND **SYEDA AFRIN(10X15IS117)** bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University**, Belagavi, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.


Mr. Karthik S L

Asst. Professor


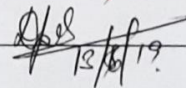

Dr. R. Karagavalli
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Bengaluru 560 068.
External Viva


Dr. Praveena Gowda
Dr. R. PRAVEENA GOWDA
Principal
The Oxford College of Engineering
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Bengaluru-560 068.

Name of the Examiners

1. Dr. R. Karagavalli
2. DEEPTI. C

Signature with Date


13/6/19

13/6/19

THE OXFORD COLLEGE OF ENGINEERING

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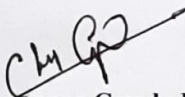
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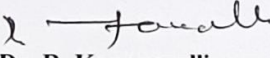
Department of Information Science and Engineering




CERTIFICATE

Certified that the project work entitled "**Innovative Image Search Engine with hidden tags using image processing techniques**" carried out by **SARITHA KUMARI K (10X15IS104)**, **VARSHA U V (10X15IS122)** and **VRISHANKA ISLOOR (10X15IS124)** bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of **Bachelor of Engineering in Information Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mr. Channappa Gowda D. V
Asst. Prof., Dept. of ISE

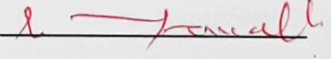

Dr. R. Kanagavalli
Professor and
Head of Dept. of ISE
Dr. R. KANAGAVALLI
PROFESSOR & HOD-ISE
The Oxford College Of Engineering,
Bommanahalli, Hosur Main Road,
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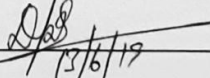

Dr. R.V. Praveena Gowda
Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
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Name of the Examiners

1. Dr. R. Kanagavalli
2. DEEPTI C

Signature with Date


13/6/19


13/6/19

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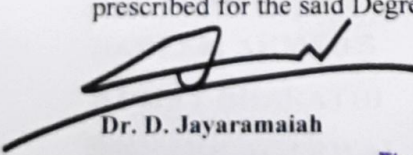
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Department of Information Science and Engineering

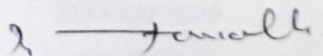


CERTIFICATE

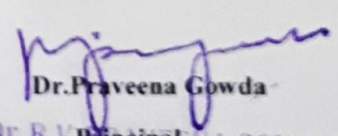
Certified that the project work entitled "Forecasting Of Stock Market using machine learning" carried out by NADEEM AHMED S (10X15IS066), P VIJAY BHARATHI (10X15IS073), RISHABH AGARWAL (10X15IS092) and SYED MOHOMED SULAIMAN(10X15IS116), bonafide students of The Oxford College Of Engineering, Bengaluru in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2018-2019. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Dr. D. Jayaramaiah

Professor



Dr. R. Kanagavalli
PROFESSOR & HOD-ISE
The Oxford College of Engineering
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External Viva


Dr. Praveena Gowda

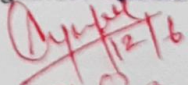
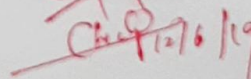
Dr. R.V. Praveena Gowda
PRINCIPAL

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Bengaluru - 560 068.

Name of the Examiners

1. Vijaya .S.C
2. Channappa Gowda sr.v

Signature with Date


12/6/19

12/6/19

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Bommanahalli, Hosur Road, Bangalore-560068

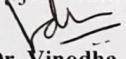
(Affiliated To Visvesvaraya Technological University, Belagavi)

Department of Information Science and Engineering



CERTIFICATE

Certified that the project work entitled “Energy Efficient Reliable With Encryption for WSN” carried out by Abhinav Suman (10X15IS001), Hemanth Kumar AV (10X15IS046), and K.Mohammed Hayath (10X15IS051) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

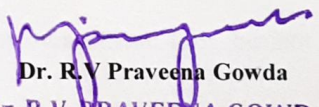

Dr. Vinodha . K

Asst.Professor, Dept. of ISE


Dr. R. Kanagavalli

Dr. R. KANAGAVALLI
PROFESSOR & HOD-ISE

The Oxford College of Engineering
Prof. & Head, Department of ISE
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Dr. R.V Praveena Gowda

Dr. R.V. PRAVEENA GOWDA
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External Viva

Name of the Examiners

1. P. Kokila
2. Gauri S Rapate

Signature with Date

P. Kokila 11/6/19.
Gauri

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Hosur Road, Bommanahalli, Bengaluru-560068

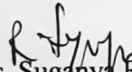
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Department of Information Science and Engineering

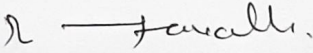


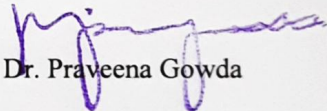
CERTIFICATE

Certified that the project work entitled "**Emotion Detector For Medical Application**" carried out by **Abhishek M S (IOX15IS002)**, **Akshay P Shetty (IOX15IS010)**, **Anshu Agarwal (IOX15IS014)** and **Darel V Johny (IOX15IS028)** bonafide students of **The Oxford College of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Mrs. Suganya R

Asst.Proff


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PROFESSOR & HOD-ISE
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Bommanahalli, Hosur Main Road,
Bangalore 560 068.
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Dr. Praveena Gowda

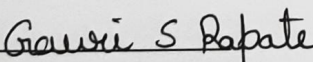
Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
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Bengaluru 560 068.

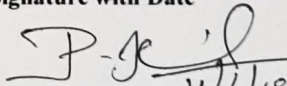
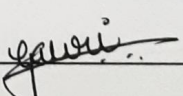
Signature with Date

Name of the Examiners

1.  P. Kokile

2.  Gauri S Papate

(i)


11/6/19.


THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560068

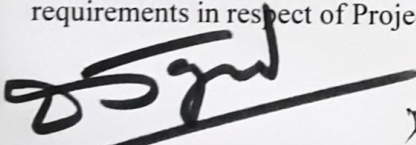
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Department of Information Science and Engineering



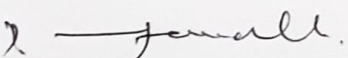
CERTIFICATE

Certified that the project work entitled **"A Real Time Android Application Based Traffic Monitoring and Vehicle Tracking System"** carried out by **ASHA TIRLAPUR (10X15IS016), DEEPA D (10X15IS030), NANDINI S (10X15IS067) and NAVYA S (10X15IS068)** bonafide students of **The Oxford College Of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science And Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018 -2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


D. Jayaramaiah

Professor

Department of ISE


Dr. R. Kanagavalli

Professor & Head


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Bangalore 560 068.

External Viva


Dr. R V Praveena Gowda

Principal, TOCE

Dr. R.V. PRAVEENA GOWDA

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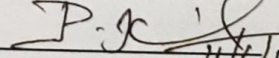
Bengaluru-560 068.

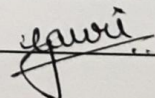
Name of the Examiners

1. P. Kokila

2. Gauri S. Rapate

Signature with Date


P. Kokila 11/6/19.


Gauri S. Rapate

THE OXFORD COLLEGE OF ENGINEERING

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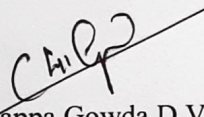
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Department of Information Science and Engineering

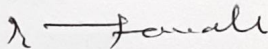


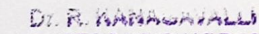
CERTIFICATE

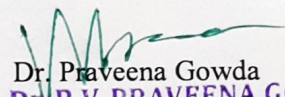
Certified that the project work entitled **"SIGN LANGUAGE TO TEXT CONVERSION"** carried out by **B M PRAKRUTHI (10X15IS020)**, **DEEPTHI A (10X15IS031)**, **K HARSHITHA (10X15IS050)** and **KARISHMA PAHALWAR (10X15IS052)** bonafide students of **The Oxford College of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Mr. Channappa Gowda D V

Asst. Prof, Dept. of ISE


Dr. R. Kanagavalli

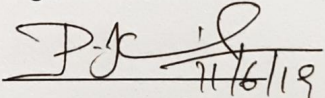
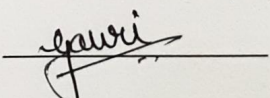

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External Viva


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Name of the Examiners

1. P. Kokila
2. Gauri S Patate

Signature with Date


11/6/19.


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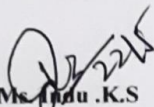
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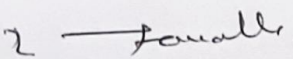
Department of Information Science and Engineering

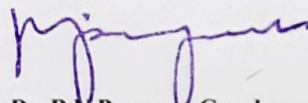


CERTIFICATE

Certified that the Project work entitled **"AIR QUALITY ANALYSIS USING MACHINE LEARNING"** carried out by **BITTY CLEATUS (IOX15IS024), HEEBA MOINUDDIN (IOX15IS044), KHUSHI SINGH (IOX15IS054) and LAKSHMI MADHUMITHA P (IOX15IS057)** bonafide students of **The Oxford College of Engineering, Bengaluru** in partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the **Visvesvaraya Technological University, Belagavi**, during the year **2018-2019**. It is certified that all corrections / suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Ms. Anu .K.S
Asst. Prof, ISE

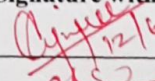
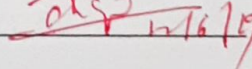

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Name of the Examiners

1. Ms. Vijaya .SC
2. Channappa Gowda DV

Signature with Date


12/6

12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068

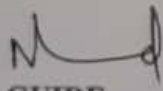
(Affiliated to VTU and Approved by AICTE)

Department Of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the Project work entitled “CLASSIFICATION OF CANCEROUS PROFILES USING MACHINE LEARNING” carried out by SAI THEJASREE U V (10X15EC083), SUSHMITHA R (10X15EC098), TEJASHWINI RENAKE (10X16EC420), POOJA B L S (10X15EC063) bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the degree.



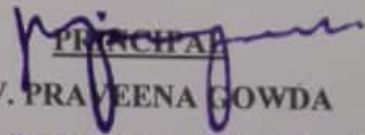
GUIDE

R. BHARGAVA RAMA GOWD
Asst. Professor,
Dept. of ECE, TOCE



HOD

Professor & HOD of E&C Engineering
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Bommananalli, Bangalore-560 068.



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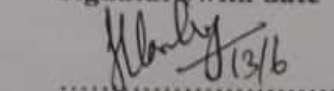
Dr. R. V. PRAVEENA GOWDA
PRINCIPAL
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Bengaluru-560 068.

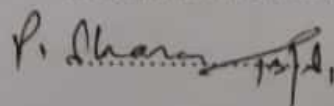
Name of the Examiners

1. DR. SHASHIDHAR

2. Dr. Poojashree Chandra

Signature with date

 13/6



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 Project work entitled "GREEN CAMPUS" is a bonafide work carried out by ANAND KUMAR D (10X15EC011), CVSR SRINIVAS (10X15EC022), KEVIN CHRISTY D (10X15EC043) and MUHAMMAD SHAHEER (10X15EC055) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

NW
10/06/19

GUIDE

Mr. JAYARAJ N
Asst. Prof, Dept. of ECE

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Professor & HOD of ECE Engineering,
Dr. MANJUNATH
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PRINCIPAL

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Dr. R.V. PRAVEENA GOWDA
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Bengaluru - 560 068
Signature with date

Name of the Examiner

1. Dr. Manjunath
2. Dr. Sukhar Kulkarni

10/6/19
10/6/19

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(Affiliated to VTU and Approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DETECTION OF ONCOLOGICAL CELL IN NANO-PLATFORM USING SPR TECHNOLOGY" carried out by Ashwini S (10X15EC017), Bhavana C M (10X15EC020), Farha Rahman (10X15EC030), Meenu Harshan (10X15EC052) bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

Sowmya G.
GUIDE

Mrs. Sowmya Padukone G
Assistant Professor,
Dept. of ECE, TOCE

Manj Dev
HOD

Prof. MANJ DEVI
Professor & HOD of ECE Engineering
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R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA
Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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Bengaluru-560 068.

NAME OF EXAMINER

1. *Dr. Manj Dev*
2. *Dr. Subhash Kulkarni*

SIGNATURE WITH DATE

Manj Dev
.....
Subhash Kulkarni
.....

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BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Project entitled "OPTO MECHANICAL SYSTEMS FOR PRESSOR SENSOR" Carried out by CHAITRA K (10X16EC405), NIVEDITA C (10X15EC021), SHRINIDHI BHAT (10X15EC089), S UDDANESHWARA (10X15EC081), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said degree.

P. Sharan

GUIDE

DR. PREETA SHARAN

Prof. Dept. of ECE

Name of Examiner

1. DR. SHASHIDHAR

2. _____

Manju Devi

HOD

DR. MANJU DEVI

Professor & HOD of E&C Engineering

HOD, Dept. of ECE

The Oxford College of Engineering

Bommanahalli, Bangalore - 560 068.

Dr. R.V. Praveena Gowda

PRINCIPAL

DR. R.V. PRAVEENA GOWDA

Dr. R.V. PRAVEENA GOWDA

Principal, TOCE

The Oxford College of Engineering

Signature with Date

Bangalore - 560 068.

Manju Devi 13/6

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BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068

(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering



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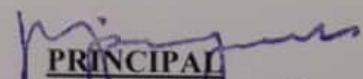
Certified that the project work entitled "DATA TRANSMISSION USING LIPI" carried out by GOWTHAM M (10X15EC034) , HAROON KHURSHEED (10X15EC035) , HEMANTH KUMAR S (10X15EC038) , GUHAN M S (10X15EC110) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Electronics And Communication Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


GUIDE

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

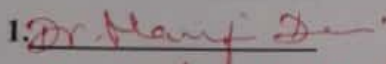


BOD
Dr. MANJU DEVI

Dept. of ECE
Professor & HOD of E&C Engineering
TOCE
The Oxford College of Engineering
Bommananalli, Bangalore-560 068.

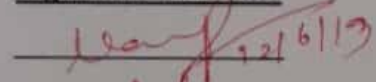
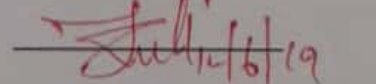

PRINCIPAL

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

Name of the Examiners

1. 
2. 

Signature with date


21/6/19

21/6/19

THE OXFORD COLLEGE OF ENGINEERING

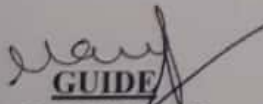
BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068
(Affiliated to VTU and Approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

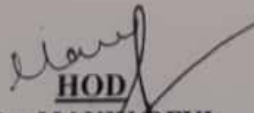


CERTIFICATE

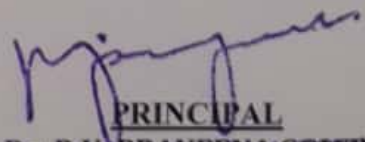
This is to certify that the project work entitled "MEDICINE VENDING MACHINE" carried out by Tanveer Ahmed (10X15EC100), Basheer Ahmed (10X16EC404), Shivam(10X15EC088), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

Dr. MANJU DEVI
Professor and HOD
Dept. of ECE, TOCE


HOD

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


PRINCIPAL

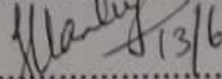
Dr. R.V. PRABHENA GOWDA
Principal
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore, 560 068.

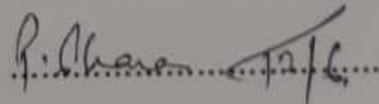
NAME OF EXAMINER

1. DR. SHASHIDHAR

2. Dr. Prateek Sheen

SIGNATURE WITH DATE


..... 13/6


..... 12/6

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore-560068

(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the Project work entitled "Implementation of a Secure and Smart Lab With Automation System" carried out by GOVIND (10X15EC033), KIRAN BIRADAR (10X16EC407), SHIVAPUTRA (10X16EC416), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the degree.

[Handwritten signature]
12/6/19

GUIDE

NITHIKA BHASI
Asst Professor,
Dept. of ECE, TOCE

HOD

[Handwritten signature]
Dr. MANJU DEVI
Professor & HOD of EAC Engineering
Dept. of ECE
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.

PRINCIPAL

[Handwritten signature]
Dr. R.V. PRAVEENA GOWDA
Head of the Institution
TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.
Signature with date

Name of the Examiner

- 1.) *[Handwritten signature]*
- 2.) *[Handwritten signature]*

[Handwritten signature] 12/6/19
[Handwritten signature] 12/6/19

THE OXFORD COLLEGE OF ENGINEERING

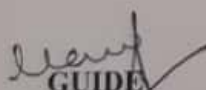
BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068
(Affiliated to VTU and Approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

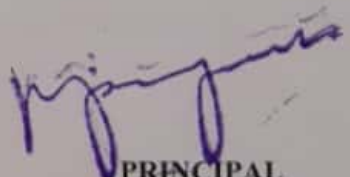


CERTIFICATE

This is to certify that the project work entitled "MEDICINE VENDING MACHINE" carried out by Tanveer Ahmed (10X15EC100), Basheer Ahmed (10X16EC404), Shivam(10X15EC088), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE
Dr. MANJU DEVI
Professor and HOD
Dept. of ECE, TOCE

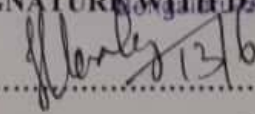

HOD
Dr. MANJU DEVI
Professor & HOD of E&C Engineering
The Oxford College of Engineering
Dept. of ECE, TOCE
Bommananalli, Bangalore - 560 068.

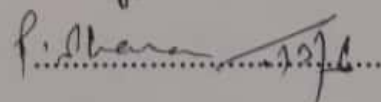

PRINCIPAL
Dr. R.V. PRAVEENA GOWDA
Principal TOCE
PRINCIPAL
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Bangalore - 560 068.

NAME OF EXAMINER

1. DR. SHASHIDHAR
2. Dr. Praveena Gowda

SIGNATURE WITH DATE


13/6


12/6

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 Project work entitled "GREEN CAMPUS" is a bonafide work carried out by ANAND KUMAR D (10X15EC011), CVSR SRINIVAS (10X15EC022), KEVIN CHRISTY D (10X15EC043) and MUHAMMAD SHAHEER (10X15EC055) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

N.W
10/06/19
GUIDE

Mr. JAYARAJ N
Asst. Prof. Dept. of ECE

[Signature]
HOD

Professor & HOD of E&C Engineering
The Oxford College of Engineering
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PRINCIPAL

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Bommanahalli, Bangalore-560 068

Name of the Examiner

1. *[Signature]*
2. *[Signature]*

Signature with date
[Signature] 11/6/19
[Signature] 11/6/19

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 Project work entitled “AUTOMATION OF FUELING STATION WITH AN EMBEDDED SYSTEMS AND RFID TECHNOLOGY INTEGRATED WITH IOT” is a bonafide work carried out by the students AISHWARYA S (10X15EC005), ANU S (10X15E012), DEVIKA L N (10X16EC406), MUNIRABEGAM M NADAF (10X15EC410) in partial fulfilment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VTU during the years 2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

*N. Sridhar
10/06/2019*

GUIDE

Dr. Sridhar N

Asst. Professor

Dept. of ECE

Manju Devi
HOD

Dr. MANJU DEVI

Professor & HOD of E&CE Engineering
Professor and HOD
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R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA

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Name of Examiner

1. *Dr. Manju Devi*
2. *Dr. Subhash Kumar*

Signature with Date
Manju Devi
12/6/19
Subhash Kumar
12/6/19

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 Project work entitled “**AUTOMATION OF FUELING STATION WITH AN EMBEDDED SYSTEMS AND RFID TECHNOLOGY INTEGRATED WITH IOT**” is a bonafide work carried out by the students **AISHWARYA S (10X15EC005), ANU S (10X15E012), DEVIKA L N (10X16EC406), MUNIRABEGAM M NADAF (10X15EC410)** in partial fulfilment for the award of **BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING** under VTU during the years **2019**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

N. Sridhar
10/06/2019

GUIDE

Dr. Sridhar N
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Dept. of ECE

Manju Devi
HOD

Dr. MANJU DEVI
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Professor and HOD
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R.V. Praveena Gowda
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Name of Examiner

- 1... *Dr. Manju Devi*
- 2... *Dr. Sridhar N*

Signature with Date

- 1... *Manju Devi*
10/06/19
- 2... *Sridhar N*
10/06/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Project entitled "HEALTH MONITORING SYSTEM" Carried out by NAYANA (10X15EC058), S SPOORTHI(10X15EC080), SOWNDARYA B (10X15EC094), TEJASHWINI N (10X15EC101), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said degree.

N. Subbar
12/06/19
GUIDE

Dr. SRIDHAR N

Asst. prof. Dept. of ECE

Manju Devi
HOD

Professor & HOD of E&C Engineering
The Oxford College of Engineering

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R.V. Praveena Gowda
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Dr. R.V. PRAVEENA GOWDA

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Bangaluru-560 068.

Signature with Date

Name of Examiner

1. *Dr. Manju Devi*
2. *Dr. Subbar Kulkarni*

Manju Devi 12/6/19
Subbar Kulkarni 12/6/19

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 Project work entitled “DESIGN AND FABRICATION OF ANIMATRONIC SKULL USING 3D PRINTER” is a bonafide work carried out by YESHWANTH G R (10X15EC109), SNEHA D (10X15EC093), SAHANA M (10X15EC082) and S PRIYA DARSHINI (10X15EC078) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

MANU DEVI
GUIDE & HOD

Professor & HOD of ECE Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068

Name of the Examiner

1. DR SHASHIDHAR

2. Dr. Praveena Gowda

PRINCIPAL

Dr. R.V. PRAVEENA GOWDA

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

Signature with date

Manu Devi 13/6

P. Praveena Gowda 12/6

THE OXFORD COLLEGE OF ENGINEERING

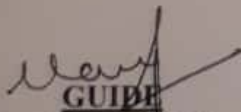
BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

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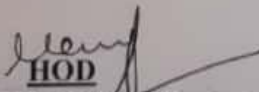

GUIDE

Dr. MANJU DEVI
Professor and HOD
Dept. of ECE, TOCE

NAME OF EXAMINER

1. DR. SHA SHIDHAR

2. Dr. Preeti Chauhan

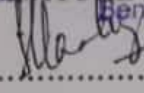

HOD

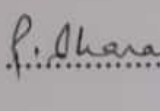
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Bengaluru-560 068.

SIGNATURE WITH DATE

 13/6

 13/6/19

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 project work entitled "AUTOMATED TOLLPALZA USING RFID WITH THEFT ALERT AND POLLUTION MONITORING" carried out by RAKHESH N (10X15C072), S NITHIN (10X15EC077), SANJAY A (10X15EC084), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the academic year 2018 - 2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in Department Library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for Degree.


GUIDE


HOD


PRINCIPAL

Ms. CHRISPIN JIJJI
Professor, Dept. of ECE

Professor & HOD of E&C Engineering
Dr. MANJU DEVI
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HOD, Dept. of ECE
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Dr. R.V. PRAVEENA GOWDA
Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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Name of Examiners

Examiner 1. Faculty Name *Dr. Manju Devi*

Examiner 2. Faculty Name *Dr. Subhash Kulkarni*

11/6/19
11/6/19

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 project work entitled "AUTOMOBILE ACCESS AND SECURITY BASED ON MACHINE LEARNING AND SMTP" carried out by Prem Pramod N (10X15EC068), Priyadarshini S (10X16EC413), Sumera Kounain M R (10X16EC419), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

Richard Lincoln Paulraj
GUIDE

Mr. RICHARD LINCOLN PAULRAJ
Asst Professor, Dept Of ECE

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

Dr. R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA
The Oxford College Of Engineering
PRINCIPAL

NAME OF EXAMINER

SIGNATURE
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Bommanahalli, Hosur Road
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1. *Dr. Manju Devi*
2. *Dr. Subhash Kulkarni*

Dr. R.V. Praveena Gowda
10/6/19

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 project work entitled "ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT" is a bonafide work carried out by GANESH J BIRADAR (10X15EC031), KASHINATH S KUMBARA (10X15EC040), BASAVARAJ (10X16EC403), SHRISHAIL DALI (10X16EC417) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

<p><u>GUIDE</u> Mrs. SAJITHRA VARUN S Asst. Professor Dept. of ECE, TOCE</p>	<p><u>HOD</u> Dr. MANJU DEVI Professor & HOD of E&C Engineering Head Dept. of ECE The Oxford College of Engineering TOCE Bommanahalli, Bangalore-560 068.</p>	<p><u>PRINCIPAL</u> Dr. R.V. PRAVEENA GOWDA Principal, TOCE Bengaluru The Oxford College of Engineering Bommanahalli, Hosur Road Bengaluru-560 068.</p>
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Name of the Examiner

Signature with date

1. Dr. Manju Devi

12/12/19

2. Dr. Subhash Kulkarni

12/12/19

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 Project work entitled “Dustless Environment” Using NEAGH Device” is a bonafide work carried out by AAMIR AHMED (10X15EC002), ARAVIND J A (10X15EC015), ISHRATH FARHA (10X15EC039) and MOHAMMED NAFIL T C (10X15EC054) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year FEB–MAY 2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

GUIDE

Soumya G
Mrs. Soumya Panukone G
Asst. PROFESSOR

HOD

Manju Devi
Dr. Manju Devi

PRINCIPAL

Dr. R.V. Praveena Gowda
Dr. R.V. Praveena Gowda

Professor & HOD of E&C Engineering
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Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
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Bangalore-560 068.
Signature with date

Name of the Examiner

1. *Dr. Manju Devi*
2. *Dr. Subhash Tulke*

Manju Devi 11/6/19
Subhash Tulke 11/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068
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Department of Electronics and Communication Engineering



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GUIDE

Soumya G
Mrs. Soumya Padukone G
Asst. PROFESSOR

HOD

Manju Devi
Dr. Manju Devi
PROFESSOR

PRINCIPAL

R.V. Praveena Gowda
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

Professor & HOD of E&C Engineering
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Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Signature with date

Name of the Examiner

1. *Dr. Manju Devi*
2. *Dr. Subhash Kulkarni*

R.V. Praveena Gowda
11/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

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Richard Lincoln Pauls
GUIDE

Mr. RICHARD LINCOLN PAULS
Asst Professor, Dept Of ECE

Manju Devi
HOD
Professor & HOD of E&C Engineering
The Oxford College of Engineering
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R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA
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PRINCIPAL

NAME OF EXAMINER

SIGNATURE
The Oxford College of Engineering
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1. *Dr. Manju Devi*
2. *Dr. Ashish Kulkarni*

Manju Devi
July 16/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

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Richard Lincoln Paul 12/6/19
GUIDE

Mr. RICHARD LINCOLN PAUL
Asst Professor, Dept Of ECE

Manju Devi
Professor & HOD of E&C Engineering

Dr. MANJU DEVI
The Oxford College of Engineering
Bommanahalli, Bengaluru - 560 068

R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA
The Oxford College Of Engineering

NAME OF EXAMINER

1. *Dr. Manju Devi*
2. *Dr. Subhas Kulkarni*

SIGNATURE

Manju Devi 12/6/19
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru - 560 068

Subhas Kulkarni 12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

This is to Certify that the Project entitled "QUANTUM DOT CELLULAR AUTOMATA FOR HIGH SPEED COMMUNICATION" Carried out by NAVYASHREE V L(10X15EC057), TANUSHREE B M(10X15EC099), VALLI V(10X15EC103), YASHODHA L(10X15EC108) , bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said degree.

Laya
GUIDE

Prof. LAYA TOJO

Dept. of ECE

Laya
HOD

Professor & HOD of ECE Engineering

The Oxford College of Engineering
Prof. and Head of Dept. of ECE
Bommanahalli, Bangalore - 560 068.

Praveena Gowda
PRINCIPAL

DR. R. V. PRAVEENA GOWDA

Head of Institution
Dr. R. V. PRAVEENA GOWDA

PRINCIPAL

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

Signature with Date

Name of Examiner

1. *Dr. Manoj Desai*
2. *Dr. Subhash Kulkarni*

Manoj Desai 11/6/19
Subhash Kulkarni 11/6/19

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 Project work entitled “**AUTOMATION OF FUELING STATION WITH AN EMBEDDED SYSTEMS AND RFID TECHNOLOGY INTEGRATED WITH IOT**” is a bonafide work carried out by the students **AISHWARYA S (10X15EC005), ANU S (10X15E012), DEVIKA L N (10X16EC406), MUNIRABEGAM M NADAF (10X15EC410)** in partial fulfilment for the award of **BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING** under VTU during the years **2019**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

N. Sridhar
10/06/2019

GUIDE

Dr. Sridhar N
Asst. Professor
Dept. of ECE

[Signature]
HOD

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

[Signature]
PRINCIPAL

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

Name of Examiner

1. *Dr. Manju Devi*
2. *Dr. Subash Kumar*

Signature with Date

[Signature]
[Signature]

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 project work entitled "VISUAL INSPECTION AND CRACK DETECTION OF RAILWAY TRACKS" is a bonafide work carried out by Ms. AMRUTHA K (10X16EC400), Ms. DEEKSHITHA V (10X16EC026), Mr. MURALI M (10X15EC056) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

Laya
GUIDE

Mrs. Laya Tojo
Asst. Professor
Department of ECE, TOCE

Dr. M. N. J. Deore
HOD
Head of Department
of ECE, TOCE
The Oxford College of Engineering
Bommanahalli, Bangalore-560 068.

R.V. Praveena Gowda
PRINCIPAL

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

Signature with Date

R.V. Praveena Gowda
14/2/19

Name of the Examiners

1. Dr. Shashidhar

2. Dr. Pooja Shara

P. Shara
14/2/19

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(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

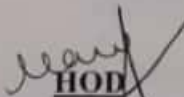


CERTIFICATE

This is to certify that the Project work entitled "Automated Pencil Sketch Using Image Processing" carried out by NIKHIL B M(10X15EC060), PUNITH POOVAIAH K P (10X15EC070), SANTHOSH KUMAR B R(10X15EC085), SRINIVAS B V (10X15EC096), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bengaluru in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

Mrs. CHRISPIN JIJI
Assistant Professor,
Dept. of ECE, TOCE


HOD



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

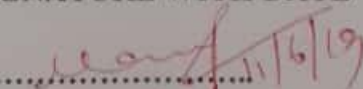
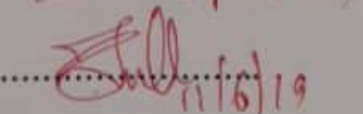

PRINCIPAL

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

NAME OF THE EXAMINER

SIGNATURE WITH DATE

1.) 
2.) 

THE OXFORD COLLEGE OF ENGINEERING


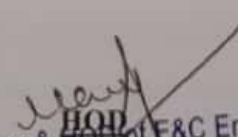

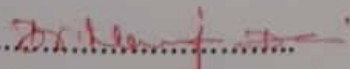
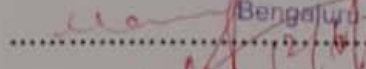
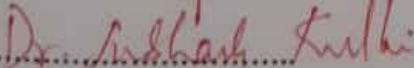
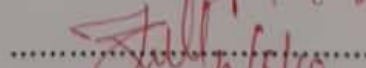
BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068
(Affiliated to VTU and Approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AUTOMOBILE ACCESS AND SECURITY BASED ON MACHINE LEARNING AND SMTP" carried out by Prem Pramod N (10X15EC068), Priyadarshini S (10X16EC413), Sumera Kounain M R (10X16EC419), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

 <u>GUIDE</u> Mr. RICHARD LINCOLN PAULRAJ Asst Professor, Dept Of ECE	 <u>HOD</u> Professor & HOD of E&C Engineering The Oxford College of Engineering Dept. Of ECE Bommanahalli, Bangalore - 560 068	 <u>PRINCIPAL</u> Dr. R.V. PRAVEENA GOWDA The Oxford College of Engineering Bommanahalli, Hosur Road Bengaluru - 560 068
NAME OF EXAMINER	SIGNATURE	
1. 		
2. 		

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068

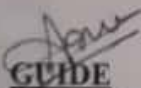
(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering

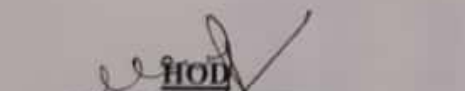



CERTIFICATE

This is to certify that the Project work entitled "WATER CONSUMPTION, QUALITY MONITORING AND NOTIFICATION SYSTEM USING ARDUINO BASED GSM SYSTEM" is a bonafide work carried out by VIJAYALAKSHMI M (10X15EC047), RAMYA S (10X15EC079) and MEGHANA HM (10X16EC409) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

MS. ARUNA J
Prof. Dept. of ECE


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

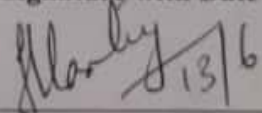

PRINCIPAL
Dr. R.V. PRAVEENA GOWDA
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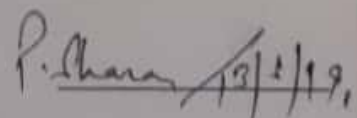
Name of Examiner

1. DR. SHASHIDHAR

2. Dr. Prateek Chauhan

Signature with Date


13/1/19


13/1/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068

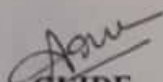
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Department of Electronics and Communication Engineering

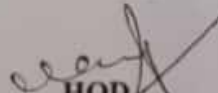


CERTIFICATE

This is to certify that the Project work entitled "WATER CONSUMPTION, QUALITY MONITORING AND NOTIFICATION SYSTEM USING ARDUINO BASED GSM SYSTEM" is a bonafide work carried out by VIJAYALAKSHMI M (10X15EC047), RAMYA S (10X15EC079) and MEGHANA HM (10X16EC409) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

Ms. ARUNA J
Prof. Dept. of ECE


HOD

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PRINCIPAL

Dr. R.V. PRAVEENA GOWDA
Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

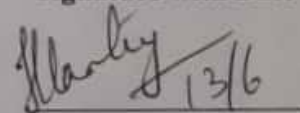
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Signature with Date

Name of Examiner

1. DR. SHASHIDHAR

2. Dr. Pooja Shree


13/6


12/6/19

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 project work entitled "AUTOMATED TOLLPALZA USING RFID WITH THEFT ALERT AND POLLUTION MONITORING" carried out by RAKHESH N (10X15C072), S NITHIN (10X15EC077), SANJAY A (10X15EC084), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the academic year 2018 - 2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in Department Library. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for Degree.


10/6/19
GUIDE


HOD


PRINCIPAL

Ms. CHRISPIN JIJI
Professor, Dept. of ECE

Professor & HOD of E&C Engineering
Dr. MANJU DEVI
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Dr. R.V. PRAVEENA GOWDA
Principal, TOCE

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Bengaluru-560 068.

Name of Examiners

Examiner 1. Faculty Name *Dr. Manju Devi*

Examiner 2. Faculty Name *Dr. Subhash Kumar*

Manju Devi
Subhash Kumar
11/6/19

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 project work entitled "ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT" is a bonafide work carried out by GANESH J BIRADAR (10X15EC031), KASHINATH S KUMBARA (10X15EC040), BASAVARAJ (10X16EC403), SHRISHAIL DALI (10X16EC417) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

GUIDE
Mrs. SAJITHRA VARUN S
Asst. Professor
Dept. of ECE, TOCE

HOD
Dr. MANJU DEVI
Professor & HOD of EEEEC Engineering
The Oxford College of Engineering
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PRINCIPAL
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Name of the Examiner

Signature with date

1. Dr. Manju Devi

Manju Devi
10/6/19

2. Dr. Subhash Kulkarni

Subhash Kulkarni
10/6/19

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 Project work entitled "INNOVATIVE SHOPPING CART WITH ARTIFICIAL INTELLIGENCE FOR FAST TRACK BILLING" is a bonafide work carried out by DEEPA P (10X15EC027), DIKSHITHA K (10X15EC029), KAVITHA K (10X15EC041), LAKKIREDDY SRAVANI (10X15EC045) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

GUIDE

N.K 10/06/19

Mr. JAYARAJ N

Assoc. Professor,

Dept. of ECE

HOD

Dr. MANJU DEVI

Professor and HOD

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

Dr. R.V. PRAVEENA GOWDA

The Oxford College of Engineering

Dr. R.V. PRAVEENA GOWDA
Principal

The Oxford College of Engineering
Bommanahalli, Hosur Road

Bommanahalli, Bangalore - 560 068.

Name of the Examiner

1. Dr. Manju Devi
2. Dr. Subhash Kulkarni

Signature with Date

Manju Devi 10/6/19
Subhash Kulkarni 10/6/19

THE OXFORD COLLEGE OF ENGINEERING

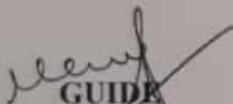
BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068
(Affiliated to VTU and Approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE


This is to certify that the project work entitled "MEDICINE VENDING MACHINE" carried out by Tanveer Ahmed (10X15EC100), Basheer Ahmed (10X16EC404), Shivam(10X15EC088), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAUM during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

Dr. MANJU DEVI
Professor and HOD
Dept. of ECE, TOCE


HOD

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

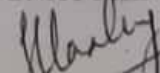
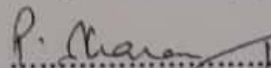


PRINCIPAL GOWDA
Dr. R.V. PRAVEENA GOWDA
Principal, TOCE
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

NAME OF EXAMINER

1. Dr. SHASHIDHAR
2. Dr. Pooja Sha

SIGNATURE WITH DATE

 13/6
 12/6/19

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 project work entitled "ADVANCED MILITARY SPYING AND BOMB DISPOSAL ROBOT" is a bonafide work carried out by SHILPA G (10X15EC086), SINDHU M (10X15EC091), VARSHITHA H (10X15EC104), PRATHIMA M K (10X16EC412) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

<u>GUIDE</u>  Mrs. S SAJITHRA VARUN Professor, Dept. of ECE, TOCE	<u>HOD</u>  Professor & HOD of ECE Engineering in the Oxford College of Engineering Bommanahalli, Bengaluru - 560 068 TOCE	<u>PRINCIPAL</u>  Dr. R.V. PRAVEENA GOWDA Principal, TOCE Dr. R.V. PRAVEENA GOWDA PRINCIPAL The Oxford College of Engineering Bommanahalli, Hosur Road Bengaluru-560 068.
---	--	--

Name of the Examiners

1. Dr. Preetha Shree
2. DR. SHASHIDHAR

Signature with Date

P. Shree 12/6
Shree 13/6

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU - 560 068
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Department of Electronics and Communication Engineering



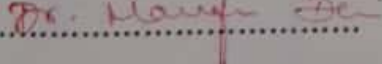
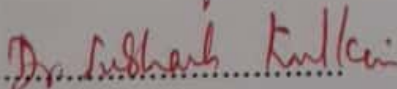
CERTIFICATE

This is to certify that the project work entitled "MULTIPLE STEPS AUTHENTICATION BASED SAFEGUARD UNIT FOR FINANCIAL TRANSACTION" is a bonafide work carried out by Ms. ANUSHA S (10X15EC014), Ms. HARSHITHA U (10X15EC037), Mr. MAHESH KUMAR V (10X15EC048) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

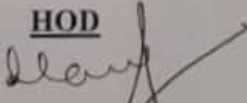

GUIDE

Mr. BHARGAV RAMA GOWDA
Asst. Professor
Dept. of ECE

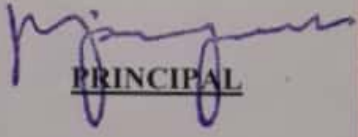
Name of the Examiner


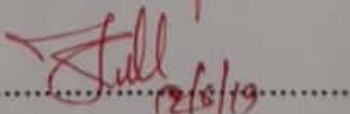
1. 
2. 

HOD


Dr. MANJIV DESAI
Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore - 560

PRINCIPAL


Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Signature with date:


12/6/19

12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSSUR ROAD, BENGALURU - 560 068

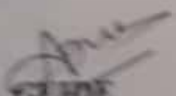
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Department of Electronics and Communication Engineering

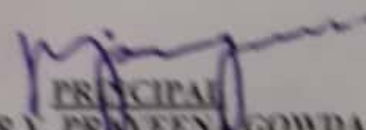


CERTIFICATE

This is to certify that the Project work entitled "WATER CONSUMPTION, QUALITY MONITORING AND NOTIFICATION SYSTEM USING ARDUINO BASED GSM SYSTEM" is a bonafide work carried out by VIJAYALAKSHMI M (10X15EC147), RAMYA S (10X15EC179) and MEGHANA HM (10X16EC409) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE
Ms. ARUNA J
Prof. Dept. of ECE

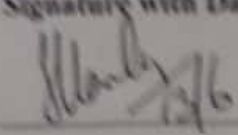


HOD
Dr. MANJU DEVI
HOD, Dept. of ECE
Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.


PRINCIPAL
Dr. R.V. PRAVEENA GOWDA
Principal, TCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.
Signature with Date

Name of Examiner

1. Dr. SHASHI KUMAR

2. Dr. Praveen Kumar

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

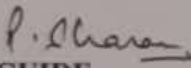
(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Project entitled "OPTO MECHANICAL SYSTEMS FOR PRESSOR SENSOR" Carried out by CHAITRA K (10X16EC405), NIVEDITA C (10X15EC021), SHRINIDHI BHAT (10X15EC089), S UDDANESHWARA (10X15EC081), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said degree.

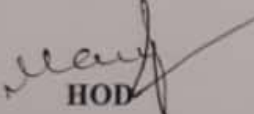

GUIDE

DR. PREETA SHARAN
Prof. Dept. of ECE


Name of Examiner

1. DR. SHASHIDHAR

2. _____

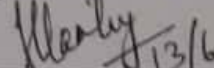

HOD

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


PRINCIPAL

DR. P. V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road

Signature with Date


13/6

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 Project work entitled “AUTOMATION OF FUELING STATION WITH AN EMBEDDED SYSTEMS AND RFID TECHNOLOGY INTEGRATED WITH IOT “is a bonafide work carried out by the students AISHWARYA S (10X15EC005), ANU S (10X15E012), DEVIKA L N (10X16EC406), MUNIRABEGAM M NADAF (10X15EC410) in partial fulfilment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VTU during the years 2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements required for the above said degree.

N: Sridhar
10/06/2019

GUIDE

Dr. Sridhar N
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

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

Name of Examiner

- 1.
- 2.

Signature with Date

12/6/19

12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068

(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering

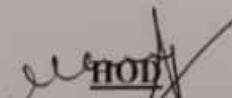


CERTIFICATE

Certified that the project work entitled "DATA TRANSMISSION USING LIFI" carried out by GOWTHAM M (10X15EC034) , HAROON KHURSHEED (10X15EC035) , HEMANTH KUMAR S (10X15EC038) , GUHAN M S (10X15EC110) bonafide students of The Oxford College of Engineering, Bangalore in partial fulfillment for the award of the Degree of Bachelor of Engineering in Electronics And Communication Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


GUIDE

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

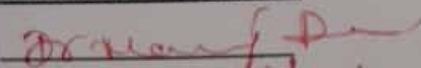
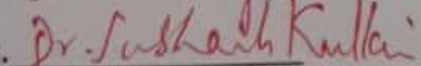

HOD

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

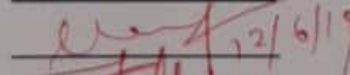
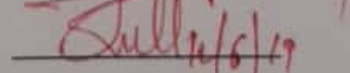

PRINCIPAL

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

Name of the Examiners

1. 
2. 

Signature with date

 12/6/19


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 Project work entitled “**Automatic Detection of Potholes**” is a bonafide work carried out by Ms. Akshatha P (10X15EC007), Ms. Chaitra Paul (10X15EC023) and Ms. Lakshmi Suresh (10X15EC046), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Degree.

Richard Lincoln Paulraj 10/6/19
GUIDE

Mr. RICHARD LINCOLN
PAULRAJ
Asst. Professor,
Dept of ECE,
TOCE, Bangalore

Dr. Manju Devi
HOD
Dr. MANJU DEVI

Professor & HOD of E&C Engineering
Dept of ECE
The Oxford College of Engineering
Bommananalli, Bangalore - 560 068.

Dr. R.V. Praveena Gowda
PRINCIPAL

Dr. R.V. PRAVEENA GOWDA

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

Name of the Examiners

Examiner 1 *Dr. Manju Devi*

Examiner 2 *Dr. Subhash Kulkarni*

Dr. R.V. Praveena Gowda 11/6/19
Dr. Subhash Kulkarni 11/6/19

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 Project work entitled “**Automatic Detection of Potholes**” is a bonafide work carried out by **Ms. Akshatha P (10X15EC007)**, **Ms. Chaitra Paul (10X15EC023)** and **Ms. Lakshmi Suresh (10X15EC046)**, bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING* under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report accordingly. The Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Degree.

Richard Lincoln Paulraj
GUIDE
10/6/19
HOD

Dr. R.V. Praveena Gowda
PRINCIPAL

Mr. RICHARD LINCOLN
PAULRAJ
Asst. Professor,
Dept of ECE,
TOCE, Bangalore

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

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

Name of the Examiners

Signature with Date

Examiner 1 *Dr. Manju Devi*

Dr. R.V. Praveena Gowda
10/6/19

Examiner 2 *Dr. Richard Lincoln Paulraj*

Richard Lincoln Paulraj
11/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



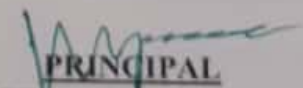
CERTIFICATE

This is to certify that the Project work entitled "Automated Pencil Sketch Using Image Processing" carried out by NIKHIL B M (10X15EC060), PUNITH POOVAIAH K P (10X15EC070), SANTHOSH KUMAR B R (10X15EC085), SRINIVAS B V (10X15EC096), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bengaluru in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the academic year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

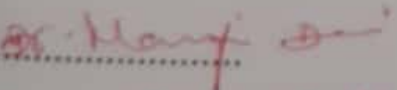
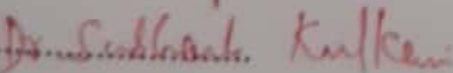

10/6/19
GUIDE

Mrs. CHRISPIN JIJI
Assistant Professor,
Dept. of ECE, TOCE


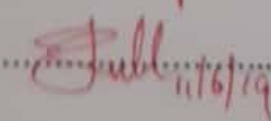

HOD
Dr. MANJU DEVI
Professor & HOD of ECE Engineering
The Oxford College of Engineering
Dept. of ECE, of Engineering
Bommanahalli, Bangalore - 560 068


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

NAME OF THE EXAMINER

- 1.) 
- 2.) 

SIGNATURE WITH DATE


11/6/19

11/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

(Affiliated to VTU and approved by AICTE)

Department of Electronics and Communication Engineering



CERTIFICATE

Certified that the Project entitled "HEALTH MONITORING SYSTEM" Carried out by NAYANA (10X15EC058), S SPOORTHY(10X15EC080), SOWNDARYA B (10X15EC094), TEJASHWINI N (10X15EC101), bonafide students of THE OXFORD COLLEGE OF ENGINEERING, Bangalore in partial fulfillment for the award of the Degree of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the academic year 2018-2019. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said degree.

N. Subrah 21/06/2019

GUIDE

Dr. SRIDHAR N

Asst. prof. Dept. of ECE

[Signature]
HOD

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

[Signature]
PRINCIPAL

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

Name of Examiner

1. *Dr. Manjuna*
2. *Dr. Subrah Kulkarni*

Signature with Date

[Signature] 12/6/19
[Signature] 14/6/19

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 project work entitled “**ADVANCED MILITARY SPYING AND BOMB DISPOSAL ROBOT**” is a bonafide work carried out by **SHILPA G (10X15EC086), SINDHU M (10X15EC091), VARSHITHA H (10X15EC104), PRATHIMA M K (10X16EC412)** in partial fulfillment for the award of **BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING** under **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year **2018-19**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

GUIDE
Mrs. S SAJITHRA VARUN
Professor,
Dept. of ECE,
TOCE

HOD
Dr. MANJU DEVI
HOD of ECE Engineering
The Oxford College of Engineering,
Dept. Bangalore-560 068.
Bommanahalli, Bangalore,
TOCE

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

Name of the Examiners

1. DR. SHASHIDHAR

2. Dr. Praveena Gowda

Signature with Date

Manju Devi 13/6

P. Gowda 13/6

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 project work entitled "VISUAL INSPECTION AND CRACK DETECTION OF RAILWAY TRACKS" is a bonafide work carried out by Ms. AMRUTHA K (10X16EC400), Ms. DEEKSHITHA V (10X16EC026), Mr. MURALI M (10X15EC056) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.

Laya
GUIDE

Mrs. Laya Tojo
Asst. Professor
Department of ECE, TOCE

HOE
Dr. MANJESHA DEVI
Head of the Department
of ECE, TOCE
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.

R.V. Praveena Gowda
PRINCIPAL

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

Name of the Examiners

1. DR. SHASHIDHAR
2. Dr. Prateek Khan

Signature with Date

Prateek Khan 14/6
P. Prateek Khan 14/6

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU – 560 068

(Affiliated to VTU and Approved by AICTE)

Department of Electronics and Communication Engineering



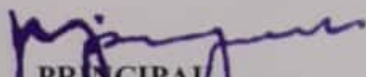
CERTIFICATE

This is to certify that the Project work entitled “WATER CONSUMPTION, QUALITY MONITORING AND NOTIFICATION SYSTEM USING ARDUINO BASED GSM SYSTEM” is a bonafide work carried out by VIJAYALAKSHMI M (10X15EC047), RAMYA S (10X15EC079) and MEGHANA HM (10X16EC409) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements required for the above said degree.


GUIDE

Ms. ARUNA J
Prof. Dept. of ECE


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

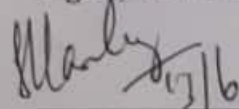

PRINCIPAL
Dr. R.V. PRAVEENA GOWDA
Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

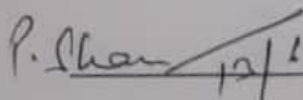
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068
Signature with Date

Name of Examiner

1. DR. SHASHIDHAR

2. Dr. Preethi Chauhan


12/1/19


12/1/19

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 Project work entitled "INNOVATIVE SHOPPING CART WITH ARTIFICIAL INTELLIGENCE FOR FAST TRACK BILLING" is a bonafide work carried out by DEEPA P (10X15EC027), DIKSHITHA K (10X15EC029), KAVITHA K (10X15EC041), LAKKIREDDY SRAVANI (10X15EC045) in partial fulfillment for the award of BACHELOR OF ENGINEERING in ELECTRONICS AND COMMUNICATION ENGINEERING under VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report accordingly. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

GUIDE

N. V. 10/06/19

Mr. JAYARAJ N

Assoc. Professor,

Dept. of ECE

HOD

Dr. MANJU DEVI

Professor and HOD

Dept. of ECE

Professor & HOD of E&C Engineering

The Oxford College of Engineering

Bommananalli, Bangalore-560 068.

PRINCIPAL

Dr. R.V. PRAVEENA GOWDA

The Oxford College of Engineering

Dr. R.V. PRAVEENA GOWDA

Bengaluru

PRINCIPAL

The Oxford College of Engineering

Bommananalli, Hosur Road

Signature with Date

Name of the Examiners

1. Dr. Manju Devi
2. Dr. Subhash Kulkarni

10/06/19
10/06/19

THE OXFORD COLLEGE OF ENGINEERING

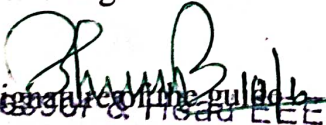
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068


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

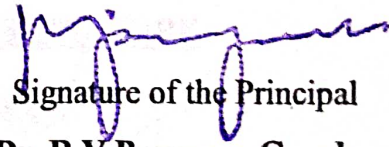


CERTIFICATE

This is to certify that the following students, **AKSHAYA K 10X15EE003, BASAVARAJ S B 10X15EE014, CHANDRU C K 10X15EE020, KARISHMA V 10X15EE034** Bonafide students of **The Oxford College Of Engineering**, has completed project work entitled **“POLE CLIMBING ROBOT FOR FAULT DETECTION”** impartial fulfilment in the award of **Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum** during the year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect to seminar work prescribed for the said degree.

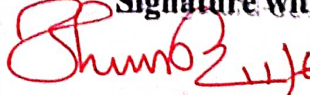

Signature of the Head
Professor & Head EEE
The Oxford College of Engg.
Bommanahalli, Hosur Road
Bangalore-560 068



Signature of HOD
Dr. Bharath V S


Signature of the Principal
Dr. R V Praveena Gowda
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Signature with date

Name of Examiners:

1. **Dr. Bharath. V. S.**
2. **Ruma Sinha**




11/6/2019

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

Department Electrical & Electronics of Engineering



CERTIFICATE

Certified that the Project work entitled "Design and Implementation of Smart Bin Management System" carried out by Aishwaraya P (10X15EE001), Chandrababu T N (10X16EE403), Hemanth R (10X15EE030), K S Supritha (10X15EE033), a bonafide students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of degree of Bachelor of Engineering in Electrical & Electronics Engineering of Visvesvaraya Technological University, Belgaum during the academic year 2018-19. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The Project work has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

N. Jaye
.....*08/06/19*

Signature of the Guide
Mr. JAYAKUMAR N

Shunb 10/6
.....

Signature of the HOD
Dr. V. S. BHARATH
Professor & Head EEE
The Oxford College of Engg.
Bommanahalli, Hosur Road
Bangalore-560 068

R.V. Praveena Gowda
.....

Signature of the Principal
Dr. R. V. PRAVEENA GOWDA
Dr. R. V. PRAVEENA GOWDA
PRINCIPAL

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

Name of the Examiners:

1.*Luma Sinha*

2.*Dr. Bharath. V.S.*

Shunb 10/6

R.V. Praveena Gowda
11/6/2019

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560 068

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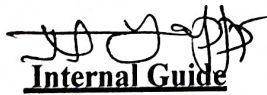


2018 – 2019

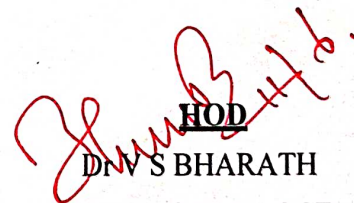
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

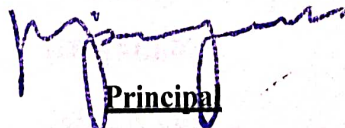
This is to certify that the project work entitled **“DESIGN AND IMPLEMENTATION OF TRANSFORMERLESS SINGLE STAGE SINGLE SWITCH HIGH STEPDOWN CONVERTER”** is a bonafide work carried out by ASHWINI N S bearing USN 10X15EE012, DIVYASHRI S bearing USN 10X15EE025, MOUNIKA K R bearing USN 10X15EE047, ANIL KUMAR REDDY T bearing USN 10X15EE096 in partial fulfilment of project work in 8th 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 2018-2019. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.


Internal Guide

Mr. Muniyappa
Associate Professor
Dept. of EEE, TOCE


HOD

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


Principal

Dr. R. V. PRAVEENA GOWDA,

Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

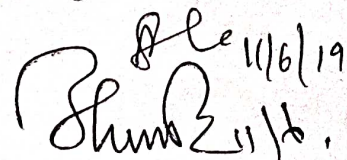
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Name of the Examiners

Ruma Saha

Dr. Bharath. v. s.

Signature with date


11/6/19

THE OXFORD COLLEGE OF ENGINEERING


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


Department of Electrical and Electronics Engineering




CERTIFICATE

This is to certify that the project work entitled "IMPLEMENTATION OF SMART ENERGY METER FOR INDUSTRIAL APPLICATION" is a bonafide work carried out by ARPITHA P A (10X15EE010), KEERTHANA V (10X15EE037), MEGHANA (10X15EE042), NANDINI K C (10X15EE050) in partial fulfilment of project in 8th 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 2018-2019. It is certified that all corrections and suggestions indicated for internal assessment has been incorporated in the report. The project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.

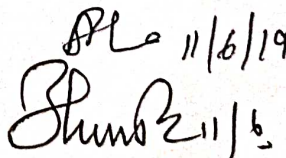

INTERNAL GUIDE
Ms. Deepa R
Assistant Professor
Dept. of EEE


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The Oxford College of Engg.
Head of Department
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Dept. of EEE


PRINCIPAL
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TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068
Signature with Date:

Name of the Examiners:

1. Ruema Sinha
2. Dr. Bharath. v.s.


11/6/19

THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068

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

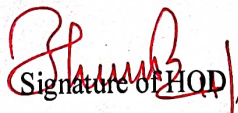


CERTIFICATE

This is to certify that the following students, AMRUTHA P S (10X15EE006), ANUSHA S BASARI (10X15EE007), DEEPA R (10X15EE023), NAMITA R ANGADI (10X15EE049) bonafide students of The Oxford College Of Engineering, has completed project work entitled "**IOT BASED INDUSTRIAL PROTECTION USING ARDUINO**" impartial fulfilment in the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect to seminar work prescribed for the said degree.

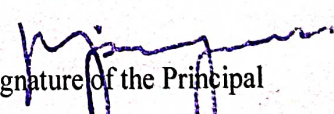
Signature of the guide

Mrs. K. VIJI


Signature of HOD

Dr. Bharath Vas
Professor in Head EED
The Oxford College of Engg.
Bommanahalli, Hosur Road,
Bangalore-560 068

Signature of the Principal

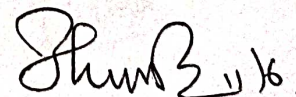

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.

Signature with date

11/6/19

Name of Examiners:

1. Ruma Sinha
2. Dr. Bharath. V.s.



THE OXFORD COLLEGE OF ENGINEERING
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068
(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)
Department of Electrical and Electronics Engineering




CERTIFICATE


This is to certify that the project work entitled "**AUTOMATIC TRAIN BRAKING SYSTEM**" has been carried out by "**DEEPTI SHREE S (10X15EE024), GEETHASHREE K A (10X15EE027), HARSHITHA S (10X15EE029), KAVYA B (10X15EE036)**" bonafide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the report. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.


Mrs. Sumitha T L

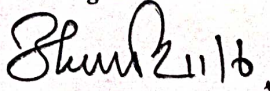
Assistant Professor
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Signature with Date:

Name of the Examiners:

1. Dr. Bharath V.S.
2. Ruma Sinha


4/6/19

THE OXFORD COLLEGE OF ENGINEERING

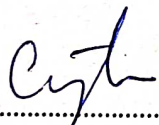
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068

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CERTIFICATE

This is to certify that the following students, AMARNATH R (10X15EE051), BASIT ALI KHAN (10X15EE015), NANDISH B K (10X15EE051), DHANANJAYA S P (10X14EE027) bonafide students of The Oxford College Of Engineering, has completed project work entitled **“SOLAR-WIND-SOUND BASED HYBRID POWER GENERATION”** impartial fulfilment in the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect to seminar work prescribed for the said degree.


.....

Signature of the guide

Mrs. Manjula. C


.....

Signature of HOD EEE

Dr. V. S. Bharath

The Oxford College of Engineering
Bommanahalli, Hosur Road
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.....

Signature of the Principal

Dr. R. V. Praveena Gowda

Dr. R.V. PRAVEENA GOWDA .
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Bangalore-560 068
Signature with date


11/6/19



Name of Examiners:

1. 
.....

2. 
.....

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



2018 - 2019

CERTIFICATE

This is to certify that the project entitled "**AUTONOMOUS MAZE SOLVING ROBOT**" is a bonafide work carried out by AKSHATA V.M bearing USN 10X15EE002 and ANUSHREE.T bearing USN 10X15EE008 in partial fulfillment of Project in 8th 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 2018-2019. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.


Internal Guide

Mrs. SOMESWARI .T
Assistant Professor
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HOD

Prof. & Head EEE
Dept. of EEE, TOCE
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Principal

Dr. R V PRAVEENA GOWDA,

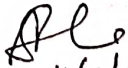
Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

The Oxford College of Engineering
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Name of the Examiners

Ruma Sinha

Signature with date


11/6/19.

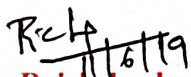
**THE OXFORD COLLEGE OF
ENGINEERING**
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068
(Affiliated to VTU and approved by AICTE)
Department of Electrical and Electronics engineering




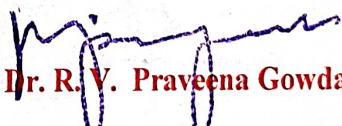
CERTIFICATE

This is to certify that the project work entitled "SPEED CONTROL OF INDUCTION MOTOR FOR PUMP APPLICATION USING SPWM METHOD" has been carried out by "ARUNKUMAR K (10X15EE011), AZEEZ UR RAHMAN (10X15EE013), BINDU R (10X15EE018), CHAITHRA K R (10X15EE019)" Bonafied students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.

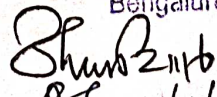

Mrs. Raichel ruby M
Associate Professor
Dept. of EEE, TOCE


Dr. V. S. Bharath Kumar
The Oxford College of Engg,
HOD EEE Dept. TOCE
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Dr. R. V. Praveena Gowda
Principal, TOCE
DR. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.
Signature with Date

Name of the Examiners:

1. Dr. Bharath. V. S.
2. Ruma Sinha


11/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur main Road, Bengaluru – 560068

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Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that the Internship report entitled “DESIGN AND IMPLEMENTATION OF EFFICIENT CONTROLLER FOR LOAD BASED MANAGEMENT SYSTEM” submitted by APOORVA BHAT (10X15EE009), LIKHITHA S (10X15EE038), NAVEENA (10X16EE412) & SHARATH KUMARA (10X16EE419) has been satisfactorily completed. It is certified that all corrections/suggestions indicated during internal assessment have been incorporated in the report. The internship report has been approved as it is satisfying the academic requirements prescribed by Visvesvaraya technological University, Belgaum.

Internal Guide
Mrs. Nalina Kumari
Assistant Professor
Dept. Of EEE, TOCE

HOD
Dr. Bharath V S
HOD
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Professor & Head EEE
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Principal
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Principal
Dr. R. V. PRAVEENA GOWDA
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Bengaluru-560 068.

Name of the Examiners

- Luma Sinha
- Dr. Bharath V. S.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur main Road, Bengaluru – 560068


Affiliated to VTU and approved by AICTE Accredited by NAAC & NBA


Department of Electrical and Electronics Engineering

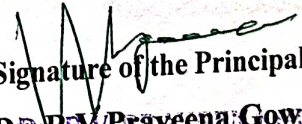


CERTIFICATE

This is to certify that the Project report entitled “**DESIGN AND IMPLEMENTATION OF UNDERGROUND CABLE FAULT DETECTION USING ROBOT**” submitted by **DARSHAN GOWDA V Y (10X15EE021), GIRISH M K (10X15EE028), JAGANNIVASA K (10X16EE407) & PRAVEEN KUMAR G P (10X16EE417)** has been satisfactorily completed. It is certified that all corrections/suggestions indicated during internal assessment have been incorporated in the report. The Project report has been approved as it is satisfying the academic requirements prescribed by Visvesvaraya technological University, Belgaum.


Signature of the guide
Mr. Muniyappa N

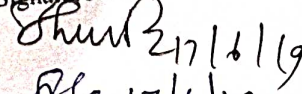
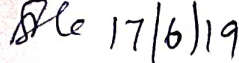

Signature of HOD
Dr. Bharath V S
Professor & Head EEE
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Bommanahalli, Hosur Road
Bangalore-560 068


Signature of the Principal
Dr. Praveena Gowda
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.

Name of Examiners:

1. Dr. Bharath V. S
2. Ruma Sinha

Signature with date


17/6/19

17/6/19

THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068

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


Department of Electrical and Electronics Engineering

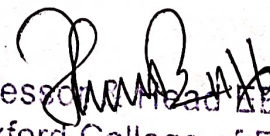


CERTIFICATE


This is to certify that the project work entitled "SMART BOOK KEEPER" has been carried out by NIDHI N M (10X15EE053), SANJAYA HEGDE (10X15EE077), TEJAS KUMAR G (10X15EE097), VINOD KUMAR K (10X15EE102) bona fide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.


Dr. V S BHARATH
Internal guide
Professor, EEE


Dr. V S BHARATH
Head of Department
EEE

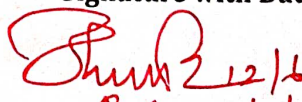
Professor, Head of EEE
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Bangalore-560 068


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

Name of the Examiners:

- Dr. Bharath.v.s.
- Kuma Sinha

Signature with Date:


12/6/19

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

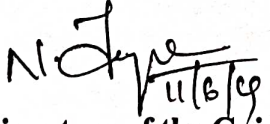
Department of Electrical and Electronics Engineering

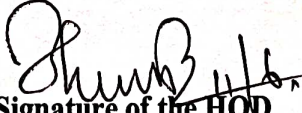


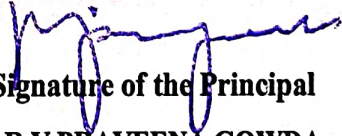
CERTIFICATE

This is to certify that the project entitled **“DESIGN AND DEVELOPMENT OF FIRE FIGHTING ROBOT USING ARDUINO”** has been carried out by **PRATHYUSHA G (10X15EE059), SHYAMALA G (10X15EE083), SREE HARINI S (10X15EE084), UMESH V (10X15EE098)** bonafide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-19.

It is certified that all suggestions indicated for internal assessment have been incorporated in the Report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering degree.


Signature of the Guide
Mr. JAYAKUMAR.N


Signature of the HOD
Dr. BHARATH V.S
Professor & Head EEE


Signature of the Principal
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

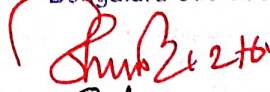
Name of the Examiners:

1.**Dr. Bharath. V.S.**.....

2. **Ruma Sinha**.....

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Bangalore-560 068

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

Signature with Dates:

12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BENGALURU-560 068

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

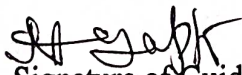
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



2018 - 2019

CERTIFICATE


This is to certify that the project entitled "**DESIGN AND EXPERIMENTAL INVESTIGATION OF PORTABLE SOLAR THERMOELECTRIC REFRIGERATOR**" is a bonafide work carried out by **NIHARIKA.R.SHETTY**, bearing USN 10X15EE054, **ROOPA.S**, bearing USN 10X15EE069, **S.SUBBASREE**, bearing USN 10X15EE072, **SRIRAM.M.J**, bearing USN 10X15EE087, in partial fulfilment of project in 8th semester, Bachelor of Engineering in the course of Electrical and Electronics Engineering at The Oxford College of Engineering under Visvesvaraya Technological University, Belgaum for the year 2018-2019. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.


Signature of Guide

Mr.N.MUNIYAPPA
Dept. of EEE,TOCE


Signature of HOD

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


Signature of Principal


DR. R V PRAVEENA GOWDA
DR. R.V. PRAVEENA GOWDA
PRINCIPAL

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

Name of the examiner

1. Dr. Bharath V S.

2. Luma Sirha


12/6/19



THE OXFORD COLLEGE OF ENGINEERING
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)


Department of Electrical and Electronics Engineering

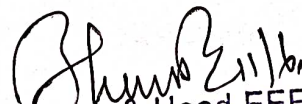


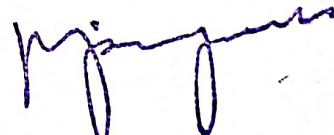
CERTIFICATE

This is to certify that the project work entitled "PV POWERED BOAT USING DC-DC CONVERTER AND INVERTER" has been carried out by POOJA.C (10X15EE055), PRIYANKA.Y.NAIK (10X15EE061), RANJITHA.S (10X15EE067), ROSHINI.D (10X15EE070) bona fide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.

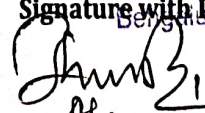

Mrs. Sandhya Rai
Associate Professor
Dept. of EEE


Prof. S. BHARATH
Head of Department
The Oxford College of Engg.
Bommanahalli, Hosur Road
Bangalore-560 068


Dr. R V PRAVEENA GOWDA
Principal
TOCE
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Bangalore-560 068.

Name of the Examiners:

1. Dr. Bharath.V.S.
2. Ruma Sinha


Signature with Dates
12/6/19

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 & Electronics Engineering

2018 – 2019



CERTIFICATE

This is to certify that the Project work entitled “IOT Based Irrigation Monitoring & Controlling system” is a bonafide work carried out by **Swathi Rani H**, bearing USN 10X15EE092, **Swathi P** bearing USN 10X15EE093, **A.V. Deekshashree** bearing USN 10X16EE400, **Chandrashekar** bearing USN 10X16EE404 in partial fulfillment of Project work in 8th 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 2018-2019**. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.


Internal Guide

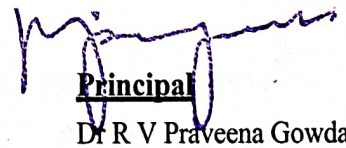
Mrs Viji.K

Assistant Professor

Dept. of EEE, TOCE


HOD
Dr V S Bharath

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Professor & Head EEE
The Oxford College of Engg.
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Principal
Dr R V Praveena Gowda

Principal, TOCE
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Bengaluru-560 068.

Name of the Examiners

Ruma Sinha

Dr. Bharath. V S

Signature with Date

R V Praveena Gowda 12/6/19
Dr V S Bharath 12/6

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



2018 - 2019

CERTIFICATE

This is to certify that the project work entitled "**POWER QUALITY IMPROVMENT BY USING STATCOM CONTROL SCHEME IN WIND ENERGY GENERATION INTERFACE TO GRID**" is a bonafide work carried out by NAYANA BU bearing USN 10X15EE052, SAUD AHMED KHAN bearing USN 10X15EE078, SHAIKH MOHMAD IBRAHIM bearing USN 10X15EE080, SUNITHA DR bearing USN 10X15EE091 in partial fulfilment of internship in 8th 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 2018-2019. 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 Engine

Devi
11/6/19
Internal Guide

Mrs. B DEVI VIGNESHWARI
Associate Professor Dept. of
EEE, TOCE

Shubh
20/6/19
HOD

Dr V S BHARATH

Dept. of EEE, TOCE
Professor & Head EEE

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Bangalore-560 068

M. R. V. Praveena Gowda
Dr R V PRAVEENA GOWDA,
Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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Name of the Examiner

Ruma Sinha

Dr. Bharath. v. S.

Signature with date

Dr. C. 12/6/19

Shubh 12/6/19

THE OXFORD COLLEGE OF ENGINEERING
HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068
(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)


Department of Electrical and Electronics Engineering




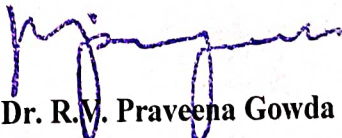
CERTIFICATE

This is to certify that the project work entitled “**INTEGRATED RESONANT BOOST CONVERTER FOR PHOTOVOLTAIC APPLICATIONS**” has been carried out by **SRIDHAR PATIL (10X15EE086), SACHIN AYLI (10X15EE075), SUHAS Y (10X15EE088), MOHAN RAJ R (10X15EE63)** bona fide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.


Mrs. Manjula C
Internal guide
Assistant Prof, EEE

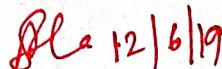


Dr. V S BHARATH
Head of Department
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Dr. R.M. Praveena Gowda
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Bangaluru-560 068.

Name of the Examiners:

1. Ruma Sinha
2. Dr. Bharath V.S

Signature with Date:

THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068

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

Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that the project work entitled "DESIGN AND IMPLEMENTATION OF SOLAR MPPT CONVERTER FOR GRID" has been carried out by AKASH S (10X15EE073), SRIDEVI T T (10X15EE085), SUMANTH S (10X15EE090), VIJAYALAKSHMI V (10X15EE100) bonafide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.

Nisha C Rani

Mrs. NISHA C RANI
Associate Professor
Dept. of EEE

Name of the Examiners:

- Dr. Bharath. v. s.
- Ruma Sinha

Shumb 13/6

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

Dr. R. V. Praveena Gowda

Dr. R. V. PRVEENA GOWDA
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TOCE PRINCIPAL
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Bangalore-560 068

Signature with Date:

Shumb 13/6
AL 13/6

THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068

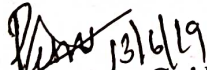
(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)

Department of Electrical and Electronics Engineering




CERTIFICATE

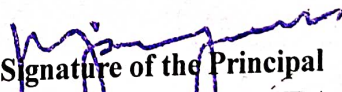
This is to certify that the Project work entitled **“VEHICLE ACCIDENT PREVENTION SYSTEM WITH ALCOHOLIC DETECTOR USING IOT”** has been carried out by **PREETHAM A G (10X15EE060), RAFHIK(10X15EE064), MANOJKUMAR H(10X15EE410), PRADEEP KUMAR(10X15EE416)** bonafide student of The Oxford College Of Engineering, Bangalore in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements for the award of Bachelor of Engineering degree.


Signature of the Guide
Mrs. RESNA.S.R

Name of the Examiners:

1. Dr. Bharath V
2. Ruma Saha



Signature of the HOD
Dr. BHARATH V. S


Signature of the Principal
Dr. R V PRAVEENA GOWDA

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

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

Signature with Date:
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.


13/6/19

The Oxford College of Engineering

10th Milestone, Bommanahalli, Hosur Road, Bengaluru – 560068

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

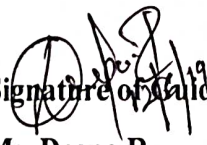


CERTIFICATE

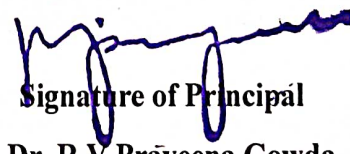
This is to certify that the following students,

POOJA J R	(10X15EE057)
SANGEETHA M S	(10X15EE076)
SHWETARANI	(10X15EE082)
MALATESH MALABER	(10X16EE408)

Bonafide students of The Oxford College of Engineering, the project work entitled “SOLDIER HEALTH STATUS & POSITION TRACKING SYSTEM” in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2018-2019. It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.


Signature of Guide
Ms. Deepa.R

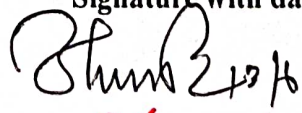

Signature of HOD
The Oxford College of Engg.
Bommanahalli, Hosur Road
Bangalore-560 068


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

External Viva

Name of the Examiners:

- 1...Dr. Bharath V S.
- 2...Ruma Sinha

Signature with date

13/6/19

THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE-560068
(Affiliated to VTU and approved by AICTE, Accredited by NAAC and NBA)
Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that the project work entitled “DESIGN AND DEVELOPMENT OF FAULT DETECTION AND PROTECTION SYSTEM FOR A THREE PHASE OVERHEAD TRANSMISSION LINE ” has been carried out by “**A AFNANULLA (10X14EE001), GOUTHAM G (10X14EE032), UMME HAANI (10X14EE107), ROOHULLA KHAN (10X13EE074)**” Bonafide students of The Oxford College Of Engineering, Bangalore in partial fulfilment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belgaum during the year 2018-2019.

It is certified that all suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project work has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree of Bachelor of Engineering.

Devi 17/6/19
Mrs. B Devi Vighneshwari

Associate Professor
Dept. of EEE, TOCE

Dr. V S Bharath 17/6
Dr. V S Bharath
Professor & Head EEE
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HOD EEE Dept, TOCE
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Dr. R V Praveena Gowda
Dr. R V Praveena Gowda

Principal, TOCE
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

Name of the Examiners:

- Dr. Bharath V.S.
- Ruma Sinha

Signature with Date
Dr. R V Praveena Gowda 17/6/19
The Oxford College of Engineering
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Bangalore-560068.

THE OXFORD COLLEGE OF ENGINEERING

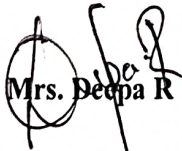
Bommanahalli, Hosur Road, Bangalore – 560068

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that work entitled “**WIRELESS SPEED AND DIRECTION CONTROL OF MULTIPLE DC MOTORS USING RADIO FREQUENCY TECHNOLOGY**” is a bonafied work carried out by **WILLIAM G (10X14EE112), MALLIKARJUN POLICE PATIL (10X15EE410), PRATHAP D V (10X13EE066) & HARSHA S (10X15EE405)** in partial fulfilment for the award of BACHELOR OF ENGINEERING in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as satisfies the academic requirements in respect of project work prescribed for degree of Bachelor of Engineering.


Mrs. Deepa R

Asst Prof, Dept of EEE


Dr. V.S. Bharath

Professor &
H.O.D., Dept of EEE
The Oxford College of Engg.
Bommanahalli, Hosur Road
Bangalore-560 068


Dr. R.V. Praveena Gowda


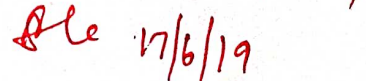
Dr. R.V. PRAVEENA GOWDA
Principal, TOCE

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Bengaluru-560 068.

Name of the Examiners:

1. Dr. Bharath, V.S.
2. Ruma Sinha

Signature with Date:


27/6/19

17/6/19

2018-2019

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 560068

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that work entitled “**ROBOT CONTROL BY USING HUMAN HAND GESTURES**” is a bonafied work carried out by **MOHAMMED IBRAHIM (10X15EE412), POWELLS JOHN (10X13EE062), MD UMAR (10X14EE411) & AARON D SHANE (10X14EE003)** in partial fulfilment for the award of BACHELOR OF ENGINEERING in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as satisfies the academic requirements in respect of project work prescribed for degree of Bachelor of Engineering.

Nisha C Rani
Mrs. Nisha C Rani

Asst Prof, Dept of EEE

Dr. V.S. Bharath
2/12/19
Dr. V.S. Bharath

Dr. A.S. Aravind
Dr. A.S. Aravind

H.O.D., Dept. of EEE
Professor & Head EEE
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PRINCIPAL
Principal, TOCE
The Oxford College of Engineering
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Bangaluru-560 068.

Name of the Examiners:

1. *K. Gopbath*
2. *DEEPA-R*

Signature with Date:

Co. Gm
6/12/19
Dr. A.S. Aravind
6/12/19

Department of Mechanical Engineering



CERTIFICATE

This is to certify that the Project work entitled “Voice Controlled Chair Using Theo – Jansen Mechanism.” Is an authentic record of the project work carried out by S. S. Shiva Guru Moorthy (10X15ME067) S. Rahul Athreya (10X15ME068) Sanjay.R (10X15ME076) Shiva Nandan.N (10X15ME085) in partial fulfillment for the award of Bachelor of engineering in **Mechanical Engineering** from Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

G.M. Reddy
12/6/2019

Signature of Guide

Prof. Madhu Sudana Reddy G

Dr. Mahendra M Dhongadi

Signature of HOD

Dr. Mahendra M Dhongadi

Dr. R.V. Praveena Gowda

Signature of Principal

Dr. R.V. Praveena Gowda

DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068

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

Examiners:

1) *D. Mahendra M.D*

2) *Christy Priya*

Dr. R.V. Praveena Gowda

Praveena
13/6/19.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 560068

(Affiliated To Visvesvaraya Technological University, Belagavi)

Department of Mechanical Engineering



CERTIFICATE

This is to Certified that the Project entitled “**CONSTRUCTION OF LIP MOVEMENT CONTROLLED ROBOT**” has been carried out by **ROHIT R (10X15ME066), SANJAYKANTH N (10X15ME077), SHAIK MUSSADDIQ UR RAHMAN (10X15ME081), PRATHAM B PATIL (10X16ME409)** Bonafede students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2015-2019**. The Internship Report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said degree.

GUIDE

Prof. Nagaraja T V

Dept. of ME

HOD

Dr. Mahindra M Dhongadi

Professor and HOD MEAD

DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068

PRINCIPAL

Dr. R V Praveena Gowda

Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560068.

Examiners:

1. Dr. Mahendra M. D

2. Christy Priya

Signature with date

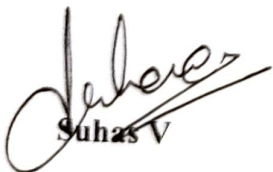
July 2
13/6/10

THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bangalore – 560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
Department of Mechanical Engineering

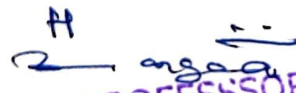


CERTIFICATE

This is to certified that the Project work entitled **“MICROCONTROLLER BASED AUTOMATIC INTELLIGENT CAR PARKING SYSTEM”** is an authentic record of the project work has been carried out by the students **NABEEL NASIR (10X15ME055), NISHANTH M (10X15ME058), S NISHANK JADHAV (10X15ME102), BENHANAN THEODORE (10X15ME021)**, bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2018-2019**. The Project Report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said degree.


Suhas V



Project Guide

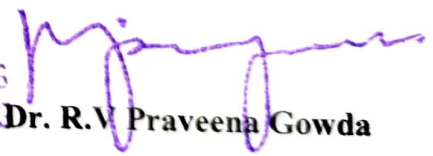


PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068
Dr. Mahendra M Dhongadi
Professor and H.O.D. Dept. of
Mechanical Engineering

External Viva

Name of Examiners

1. 
2. 



Principal, TOCE

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

Signature with Date





THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bangalore – 560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
Department of Mechanical Engineering

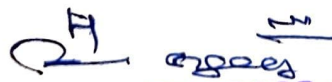


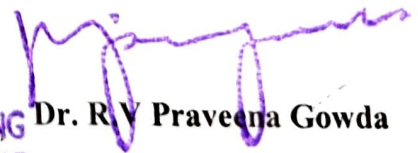
CERTIFICATE

This is to certified that the Project work entitled “**MICROCONTROLLER BASED AUTOMATIC INTELLIGENT CAR PARKING SYSTEM**” is an authentic record of the project work has been carried out by the students **NABEEL NASIR (10X15ME055)**, **NISHANTH M (10X15ME058)**, **S NISHANK JADHAV (10X15ME102)**, **BENHANAN THEODORE (10X15ME021)**, bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2018-2019**. The Project Report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said degree.


Suhās V

Project Guide


Dr. Mahendra M Dhongadi
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068
Professor and H.O.D, Dept. of
Mechanical Engineering


Dr. R.V Praveena Gowda

Principal, TOCE

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

External Viva

Name of Examiners

1. Dr Mahendra. M.D

2. Sundaratha

Signature with Date




11/6/19

THE OXFORD COLLEGE OF ENGINEERING


Hosur Road, Bommanahalli, Bengaluru – 560068
(Affiliated to Visvesvaraya Technological University, Belgaum)

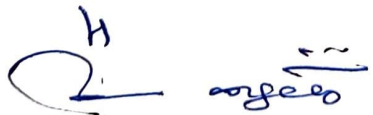
DEPARTMENT OF MECHANICAL ENGINEERING

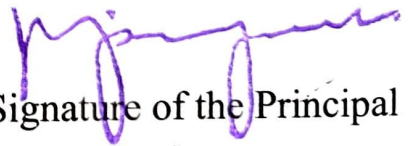


CERTIFICATE



This is to Certify that the project work entitled **“AUTOMATIC RAILWAY TRACK CRACK DETECTION SYSTEM USING IR SENSORS”** is a bonafied work carried out by **MR.SAMMED MAHAVEER PATIL (1O15ME074), MR.UMESH M (1OX15ME095), MR.VENU GOPALA A (1OX15ME097), MR.VINAY VEERAPPA PARANGI (1OX15ME100)** students 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 2018 – 2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the guide
Mr. RAVIRAKASH M


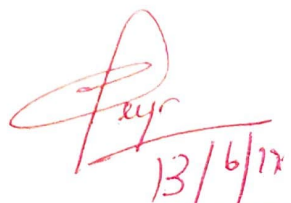

Signature of HOD
Dr. MAHENDRA M DHONGADI
PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068


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

Name of Examiners:

1. 
2. 

Signature with Date:



13/6/17

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 Project work entitled “Voice Controlled Chair Using Theo – Jansen Mechanism.” Is an authentic record of the project work carried out by S. S. Shiva Guru Moorthy (10X15ME067) S. Rahul Athreya (10X15ME068) Sanjay.R (10X15ME076) Shiva Nandan.N (10X15ME085) in partial fulfillment for the award of Bachelor of engineering in Mechanical Engineering from Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

G.M. Reddy
12/6/2019

Signature of Guide

Prof. Madhu Sudana Reddy G

MH
12/6/2019

Signature of HOD

Dr. Mahendra M Dhongadi

R.V. Praveena Gowda

Signature of Principal

Dr. R.V.Praveena Gowda

DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068

Dr. R.V. Praveena Gowda
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.

Examiners:

1) *Dr. Mahendra M. D. H.*

2) *Christy Periya*

Signature with date

MH
12/6/2019

Periya
13/6/19

THE OXFORD COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

BOMMANAHALLI, BENGALURU - 560068



CERTIFICATE

Certified that the Project work entitled "DESIGN AND FABRICATION OF OPEN TOP MOTOR VEHICLE BODY USING 150CC ENGINE FOR MILITARY VEHICLE" is carried out by the following students of Mechanical Engineering in partial fulfilment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI during the year 2018-19 It is certified that all corrections/ suggestions indicated for internal Assessment have been incorporated in the Report deposited in the Departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

MAHAMMADAHUSEN N

[10X15ME046]

MANU SHREE D C

[10X15ME051]

PRASANNA G S

[10X16ME408]

RAJAN

[10X16ME410]

G.M. Reddy
12/16/2019

Mr.MADHU SUDANA REDDY.G
Associate Professor

H. Mahendra M. Dhongadi

Dr.MAHENDRA M.DHONGADI
Professor & HOD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068

Dr.R.V PRAVEENA GOWDA

Principal

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

Name of the examiner

1. *Dr. Mahendra M. D.*

2. *Christy Praveen*

H. Mahendra M. Dhongadi
Christy Praveen

THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bangalore – 560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
Department of Mechanical Engineering



CERTIFICATE

This is to certified that the Project work entitled “DESIGN AND FABRICATION OF SEMI-AUTOMATIC CEMENT PLASTERING MACHINE” is an authentic record of the project work has been carried out by the students ABU JAMES (10X15ME003), AMITH PRAKASH (10X15ME010), B. MONISH KRISHNA (10X15ME019), BENSON M.B (10X15ME022), bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Project Report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Mr. RAGHU. K


Guide


10.6.19

Dr. MAHENDRA M
DHONGADI




Professor and H.O.D
Dept. of Mechanical
Engineering

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


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

External Viva

Name of Examiners

1. Dr. Mahendra. H. D. 
2.  
14/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore – 560068

(Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Mechanical Engineering



CERTIFICATE

This is to certified that the Project work entitled “DESIGN AND FABRICATION OF EFFORT-LESS BULLOCK CART FOR AGRICULTURAL APPLICATIONS” is an authentic record of the project work has been carried out by the students K P DAMODHAR REDDY (10X15ME027), GANESH N (10X15ME033), KALYAN KUMARA A(10X15ME042), MANOHAR A P (10X15ME049), bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-2019. The Project Report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said degree

Mr Rangu P

Assistant Professor
Project Guide

Dr. Mahendra M Dhongadi

PROFESSOR & HEAD
H.O.D, Dept. of M. E
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068

External Viva

Dr. R.V Praveena Gowda

Principal, TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

Name of Examiners

1.

Dr. Mahendra. M. D

2.

THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bangalore – 560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
Department of Mechanical Engineering



CERTIFICATE

This is to certified that the Project work entitled **“DESIGN AND FABRICATION OF REMOTE-CONTROLLED MACHINE FOR MULTI PURPOSE APPLICATIONS”** is an authentic record of the project work has been carried out by the students **ANIL KUMAR B K (10X15ME013), MD SAMRE ALAM (10X15ME052), ASHYUN THAPA MAGAR (10X15ME104), BIBEK SHARMA (10X15ME105)**, bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2018-2019**. The Project Report has been approved as it satisfies the academic requirements in respect of Seminar work prescribed for the said degree.

Prof. T.V. NAGARAJA

Project Guide

Dr. Mahendra M Dhongadi

**Professor and H.O.D. Dept.
of Mechanical Engineering**

Dr. R.V Praveena Gowda

Principal, TOCE

**Dr. R.V. PRAVEENA GOWDA
PRINCIPAL**

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

External Viva

Name of Examiners

1. **Dr. Mahendra M. D.**

2. **Simon George**

Signature with Date

12/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BANGALORE-560068

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project entitled "Evaluation of Antibacterial, Anti Inflammatory, Antioxidant and Anti Cancer potential of Plant Extract from *Spondias pinnata* and *Pimenta dioica*" was submitted by Afiya Kousar (10X15BT003), Gagana B (10X15BT014), Neha H L (10X15BT024) and Punya L Gowda (10X15BT033) in partial fulfilment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 - 2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

[Signature]
10/6/19
Name and Signature of Project Guide

[Signature]
Name and Signature of the HOD
[Signature]
Signature of the Principal
PRINCIPAL

Name of the Examiner

1. *Dr. Rajendra Prasad*
2. *Dr. B.K. Mageshwar - Manjiri*

The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.
Signature with date

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

BOMMANAHALLI, BANGALORE-560068

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled “EVALUATION OF ANTI BACTERIAL, ANTI INFLAMMATORY AND ANTI CANCER ACTIVITY OF MEDICINAL PLANTS” carried out by AFRIN KHANUM L (10X15BT004), KRUTHIKA S (10X15BT018) and SHREEYA DHAYALAN (10X15BT042), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the Visvesvaraya Technological University, Belagavi during the academic year 2018 – 2019. It is certified that all corrections indicated during internal assessment have been incorporated in the report and deposited in the department library. The project has been approved as it satisfies the academic requirements in the respect of project work prescribed for the said degree.

Dr. B.K. Manjunatha
Project guide
Dept. of BT
& Head

(Dr. B.K. Manjunatha)
The Oxford College of Engineering
Bengaluru-560 068.
External Viva

Dr. B.K. Manjunatha
Signature of HOD
Dept. of BT
& Head

(Dr. B.K. Manjunatha)
The Oxford College of Engineering
Bengaluru-560 068.

Dr. R.V. Praveena Gowda
Principal
TOCE

(Dr. R.V. Praveena Gowda)
DR. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Signature with date
Bommanahalli, Hosur Road
Bengaluru-560 068.

1. *Dr. Dilbe Mayanath* ✓ 12/6
2. *R.V. Praveena Gowda* ✓ 12/6

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BANGALORE-560068

(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled “Design of Air Pollution Filter Silk by Synthesis of Nano Green Particles and its Evaluation” carried out by Anupama.G, USN 10X15BT005, Bindushri.V, USN 10X15BT010, Priyanka.R.M, USN 10X15BT032 bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 – 2019. The phase two project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Aswathi K
Signature of Internal Guide

Mrs. Aswathi Unnikrishnan

B.K. Manjunatha
Signature of HOD

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

R.V. Praveena Gowda
Signature of Principal

Dr. R. V. Praveena Gowda
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

External Viva

Name of the examiners

Signature with date

1.

2. *Dr. Rajesh Sanyal*

Rajesh Sanyal

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belgavi)

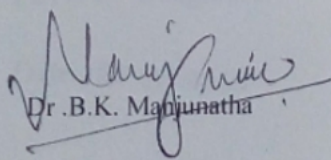
BOMMANAHALLI, BANGALORE – 560068

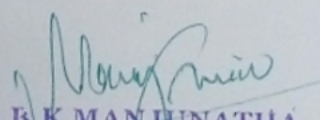
DEPARTMENT OF BIOTECHNOLOGY

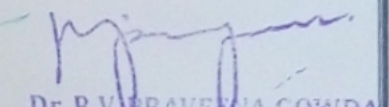


CERTIFICATE

Certified that the project work entitled “Studies on purification of chitosan for biomedical applications” carried out by Ms. APOORVA. L (USN 10X15BT006), Ms. POOJA. S (USN 10X15BT028) and Ms. VIDHYA. B. A (USN 10X15BT047), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of Bachelor of Engineering in BIOTECHNOLOGY of the Visvesvaraya Technological University, Belgavi during the year 2018-19. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Dr. B.K. Manjunatha


Dr. B.K. MANJUNATHA
Professor & Head
Department of Biotechnology
The Oxford College of Engineering
Bengaluru-560 068.

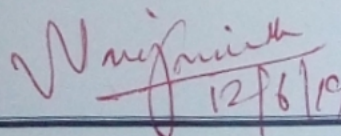

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

External Viva

Name of the examiners

Signature with date

1. Dr. Rajendra Singh Rys 8-7/12/16.
2. Dr. B.K. Manjunatha


12/6/19

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belgavi)

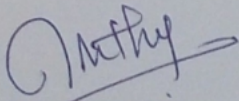
BOMMANAHALLI, BANGALORE – 560068

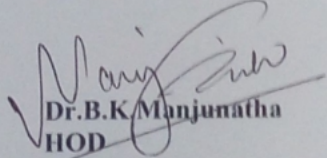
DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

Certified that the project work entitled "A study on the effect of inorganic components in chitosan composites for biomedical applications" carried out by Ms.Balikai Prerana Prakash (1OX15BT007), Ms.P.V.Vismitha (1OX15BT027), Ms.Prava Sharma (1OX15BT031), Ms. Shravya Velamala (1OX15BT041), bonafide students of THE OXFORD COLLEGE OF ENGINEERING in partial fulfillment for the award of Bachelor of Engineering in BIOTECHNOLOGY of the Visvesvaraya Technological University, Belgavi during the year 2018-19. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Mrs.K.Valarmathy
Assistant Professor
Dept.of BT


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

Dr.R.V.Praveena Gowda
Principal
TOCE

External Viva

Name of the examiners
1.
2.

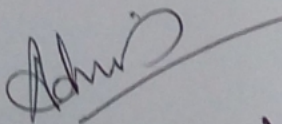
Signature with date

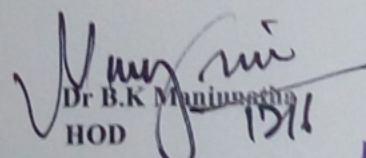
THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Bangalore-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
DEPARTMENT OF BIOTECHNOLOGY

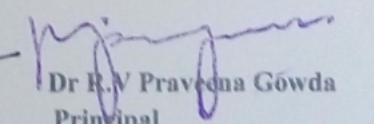


CERTIFICATE

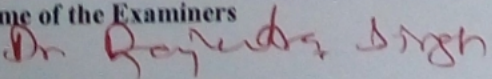
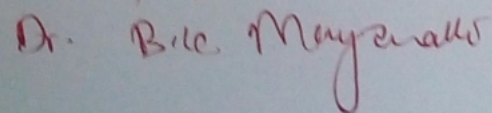
This is to certify that the project work entitled “**Machine Learning and Artificial Intelligence Modelling of Biological Indexes in Drug Discovery**” carried out by – **CHAITHANYA R USN 10X15BT011, DIVYA S USN 10X15BT013, SHEEBA R USN 10X15BT039, TAHMINA ASLAM USN 10X15BT044**, bonafide students of **THE OXFORD COLLEGE OF ENGINEERING** in the partial fulfillment for the award of **Bachelor of Engineering in BIOTECHNOLOGY** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2018 – 2019. It is certified that all corrections/suggestions indicated during internal assessment have been approved in the report and deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

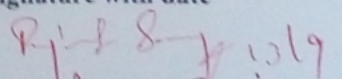
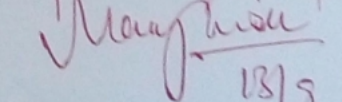

Mrs. Arathi Suvatha
Project Guide
Dept. of BT


Dr. B.K. Manjunatha
HOD
Dept. of BT


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

External Viva
Dr. B.K. MANJUNATHA
Professor & Head
Department of Biotechnology
The Oxford College of Engineering
Bangalore-560 068.

- Name of the Examiners**
1. 
 2. 

Signature with date


18/9

THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the Project entitled **“Breast cancer classification based on principle component analysis and gene expression analysis associated Molecular Biomarkers identification and its therapeutic applications”** was carried out by **DEEPIKA M (IOX15BT012), LAKSHMI K (IOX15BT019) and P KAROLINE (IOX15BT026)**, a bonafide student of **The Oxford College Of Engineering** in partial fulfilment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018– 2019. The Project has been approved as it satisfies the academic requirements in respect of Project one prescribed for the said degree.

[Handwritten Signature]
Name & Signature of the Guide

[Handwritten Signature]
Name Signature of the HOD
DR. B.K MANTHAPATI
Professor & Head
Department of Biotechnology,
The Oxford College of Engineering
Bengaluru-560068.
External Viva

[Handwritten Signature]
Dr. **PRAVEENA GOWDA**
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Name of the examiners

[Handwritten Signature]

Signature with date

[Handwritten Signature]

THE OXFORD COLLEGE OF ENGINEERING

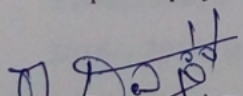
BOMMANAHALLI, BENGALURU-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

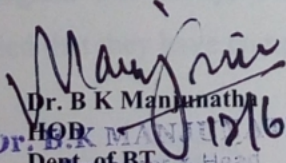
Certified that the project work entitled "DEVELOPMENT OF BIOSPECIMEN COLLECTION AND ROOM TEMPERATURE STORAGE SYSTEM FOR POTENTIAL APPLICATIONS IN GENOMICS" carried out by Ms. KALA SAI SARWANI, USN 10X15BT016 & Ms. H. GEETHA BAI, USN 10X15BT015, a bonafied student of The Oxford College of Engineering in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 – 2019. It is certified that all corrections/suggestion indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

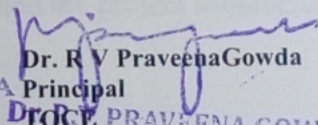

Mr. Divakara R
Project Guide
Dept. of BT

External viva

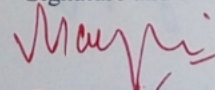
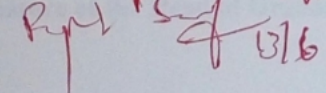
Name of the examiner

1. Dr. B K Manjunath
2. Dr. R V Praveena Gowda


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


Dr. R V Praveena Gowda
Principal
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Signature and Date

 13/6
 13/6

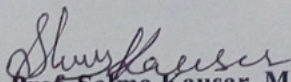
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BENGALURU-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)

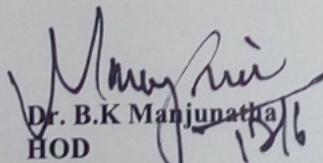
DEPARTMENT OF BIOTECHNOLOGY

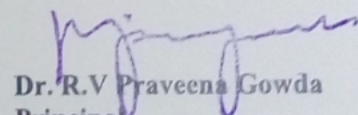


CERTIFICATE

This is to certify that the project work entitled "*IN-VITRO PROPAGATION OF LEUCAS ASPERA*" is a bonafied work presented by **KAVYA H.R. USN 10X15BT017** in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 – 2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Prof. Salma Kausar .M
Project Guide
Dept. of BT

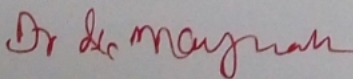
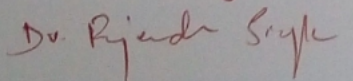

Dr. B.K Manjunatha
HOD
Dept. of BT

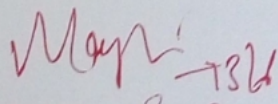
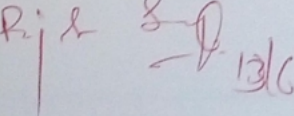

Dr. R.V Praveena Gowda
Principal
TOCE
DR. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommenahalli, Hosur Road
Bengaluru-560 068.

External Viva

Name of Examiner

Signature with date

1. 
2. 

 13/6
 13/6

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)
BOMMANAHALLI, BANGALORE-560068

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled "Portable bioreactor for Ex-situ remediation of PAHs using fungal consortium developed" has been carried out by Manoj S USN 10X15BT022, Nikhil P USN 10X15BT025, Rakshith KS USN 10X15BT036, V Ashwin USN 10X15BT046, bonafide students of The Oxford College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi during the year 2018- 2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Manoj S
Project guide ..
Dept. of Biotechnology
(Dr. B. K. Manjunatha)

External Viva

Name of the examiners

1. *Dr. Rajendra Singh*
2. *Dr. M. Manjunath*

Manoj S
HOD
Dept. of Biotechnology
(Dr. B. K. Manjunatha)
Dr. B.K MANJUNATHA
Professor & Head
Department of Biotechnology
The Oxford College of Engineering
Bangalore - 560 068.

R. V. Praveena Gowda
Principal
VOCE
(Dr. R. V. Praveena Gowda)
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore - 560 068.
Signature with date

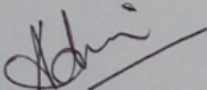
Manoj S
13/12/19

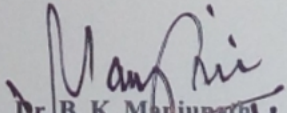
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
DEPARTMENT OF BIOTECHNOLOGY

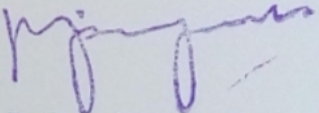


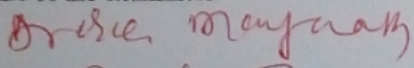
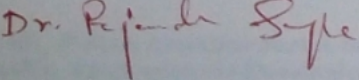
CERTIFICATE

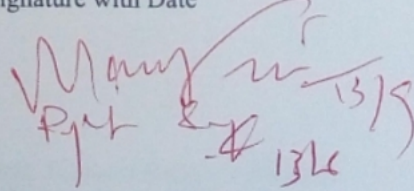
This is to certify that the seminar work entitled "LUNG CANCER CLASSIFICATION AND IDENTIFICATION OF NOVEL BIOMARKERS AND THEIR ASSOCIATED ROLES IN THERAPEUTIC APPLICATIONS", was presented by POOJA V (10X15BT029) and VIDYA SHREE D (10X15BT048) in partial fulfilment for the award of Bachelor of Engineering in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 – 2019. The seminar report has been approved as it satisfies the academic requirements in respect of seminar work prescribed for the said degree.


Ms. Arati Suvata
Project Guide
Dept. of BT


Dr. B. K. Manjunath
HOD
Department of Biotechnology
The Oxford College of Engineering
Bengaluru-560 068.


Dr. R. V. Praveena Gowda
Principal
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

External Viva
Name of the examiners
1. 
2. 

Signature with Date

13/12
13/12

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

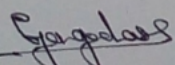
BOMMANAHALLI, BANGALORE-560068

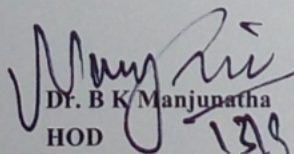
DEPARTMENT OF BIOTECHNOLOGY

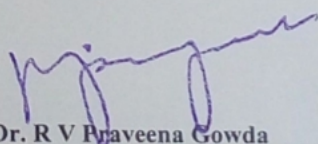


CERTIFICATE

This is to certify that the project work entitled “**Development of Bionanocomposites for Toxic Dye Removal**” was presented by Prathiksha M K, USN 10X15BT030 and Saeeda Fiza Simran, USN 10X15BT038 in partial fulfilment for the award of **Bachelor of Engineering** in Biotechnology of Visvesvaraya Technological University, Belagavi, during the academic year 2018 – 2019. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

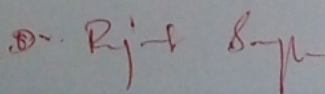

Dr. Gangadhar Gouripur
Project Guide
Dept. of Biotechnology

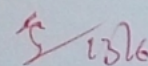

Dr. B.K. Manjunatha
HOD
Dept. of Biotechnology
Dr. B.K. MANJUNATHA
Professor & Head
Department of Biotechnology
The Oxford College of Engineering
Bengaluru-560 068.


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

Name of the examiners

Signature with date





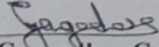
THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BANGALORE-560068
(Affiliated to Visvesvaraya Technological University, Belagavi)

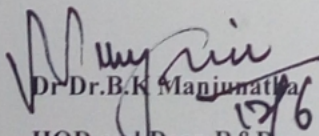
DEPARTMENT OF BIOTECHNOLOGY

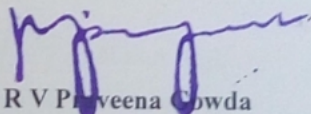


CERTIFICATE

Certified that the project work entitled **Screening of molecular modelling studies of novel naphthalene-catechol derivatives against SOD1: Determination of drug lead against Amyotrophic Lateral Sclerosis**” carried out by Ms. VIDHYASHREE.R(10X15BT035) and Ms. SHOPHIYA.S(10X15BT040), a bonafide students of The Oxford College of engineering in partial fulfillment for the award of Bachelor of Engineering in Biotechnology of the Visvesvaraya Technological University, Belgaum during the year 2018-2019 It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Dr. Gangadhar Gouripur
Project Internal Guide
Dept of BT


Dr. B.K. Manjunatha
HOD and Dean R&D
Dept of BT

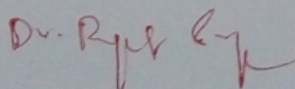

Dr. R.V. Praveena Gowda
Principal
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

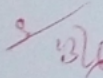
External Viva

Dr. B.K. MANJUNATHA
Professor & Head
Department of Biotechnology
The Oxford College of Engineering
Bengaluru-560 068.

Name of the examiner

Signature with date

- 1.
2. 



THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BANGALORE-560068

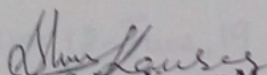
(Affiliated to Visvesvaraya Technological University, Belagavi)

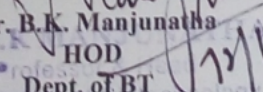
DEPARTMENT OF BIOTECHNOLOGY

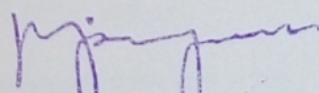


CERTIFICATE

Certified that the project work entitled **“Isolation, Purification and Pharmacological Study on Phenolic Extracts (Lignans) from *Leucas species*”** carried out by **DEEPTI K. USN 10X14BT012** and **UMME HANI USN 10X15BT045**, bonafide students of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for the award of degree of **Bachelor of Engineering in BIOTECHNOLOGY** of the **Visvesvaraya Technological University, Belagavi**, during the academic year 2018 – 2019. It is certified that all the corrections/suggestions indicated during internal assessment have been incorporated in the report. The Project report has been approved as it satisfies the academic requirements in respect of Project prescribed for the said Degree.


Ms. Salfma Kausar M.
Project Guide
Dept. of BT


Dr. B.K. Manjunatha
HOD
Dept. of BT
The Oxford College of Engineering
Bengaluru-560 068.

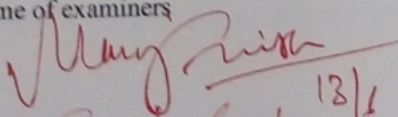


Dr. R.V. Praveena Gowda
Principal
TOCE
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

External Viva

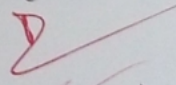
Name of examiners

1.

2.



13/6

Signature with date


13/6

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Department of Civil Engineering

Certificate

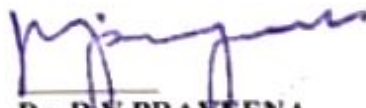
This is to certify that the project work entitled Analysis of travel time and speed flow relationship of heterogeneous traffic case study of selected stretch of silk board to sarjapur is a bonafide work carried out by

GANESH TADASALUR	10X16CV407
MALLIKARJUN G HANAGANDI	10X16CV409
MOUNESH	10X16CV412
SUNIL KUMARA T N	10X16CV418

in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belgaum, during the year 2018-19. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.


Mr. ABHISHEK L
Signature of Internal Guide


Dr. T S MALLESHAIAH
Head of the Department.


Dr. R V PRAVEENA
Dr. R.V. PRAVEENA GOWDA
Principal

University Examiners:


Signature of Examiner-1

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



Signature of Examiner-2


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




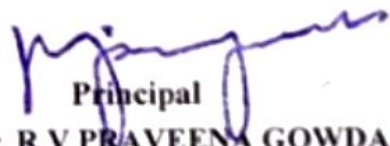
CERTIFICATE


This is to certify that the "FOUNDATION PROTECTION SYSTEM USING MICROPILES" is a bonafide work carried out Ms.C SUSHMA, Ms.INCHARA V R, Ms ASHWINI J, Ms.CHITHRA M in the partial fulfilment of the award of the degree in B.E in CIVIL ENGINEERING from The Oxford College of Engineering under Visveswaraya Technological University, Belgaum for the year 2018-2019. The internship report has been approved as it satisfies the academic requirement in respect of the internship report prescribed for the said degree.


Project Guide
Mr. MAHESH KUMAR S
Asst. Professor


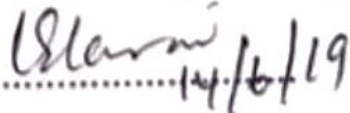

External guide
Mr. R.RAMANATHAN
SCIENTIST/ENGINEER 'SE'
URSC-ISRO, BENGALURU


Dr. T S MALLESHAIAH
Department of Civil Engineering, TOCE
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.
Examiner


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

1).....

2).....

.....
.....

THE OXFORD COLLEGE OF ENGINEERING
BOMMANAHALLI, BENGALURU-560068



CERTIFICATE

This is to certify that the project work entitled **A STUDY ON FIBRE REINFORCED CONCRETE** Carried out by Vinay (1ox15cv108), Veerabhadra (1ox15cv104), Dhanalakshmi (1ox15cv116), Sanjay (1ox15cv088) are bonafide students of The Oxford College Of Engineering . In partial fulfilment for the award of the Degree of Bachelor of Engineering. Prescribed by Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. It is certified that all the suggestions indicated for internal assessment have been incorporated in ^{the} report deposited in the departmental library, the project report has been approved as it certifies the academic requirements in respect of project work prescribed for the said degree.

Dr. Malleshaiah T S

Head of the Department

Department of Civil Engineering

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

Dr. Malleshaiah T S

Project Guide

Department of Civil Engineering

Dr. R V Praveena gowda

Principle of the college

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

Examiner

signature

- 1) Dr. Malleiah
- 2) Elavarasi V

12/6/19
13/6/19

THE OXFORD COLLEGE OF ENGINEERING

8th Mile Stone, Bommanahalli, Hour Road, Bangalore - 560 068.


(Affiliated to Visvesvaraya Technological University, Belgaum & Approved by AICTE, New Delhi)

DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

Certified that the project work entitled "Study on Compression and Split tensile strength of Green concrete" carried out by Mr. AKASH RAJAPUT, Mr. BASAVARAJU H M, Mr. KARTHIK S, Mr. VENKATESH PRASAD N a bonafide student of "THE OXFORD COLLEGE OF ENGINEERING" in partial fulfillment for the award of degree of "BACHELOR OF ENGINEERING" in "CIVIL ENGINEERING" of the Visvesvaraya Technological University, Belgaum during the year 2018-2019. It is to certify that all suggestions and corrections indicated for the internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the B.E degree.

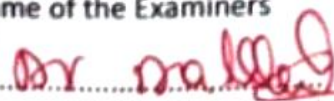


Mr. ABHISHEK L.
Guide
Assistant professor, Dept. of civil
T.O.C.E. Bengaluru.


Dr. MALLISHAIAH
Professor
Head of the Department
H.O.D, Dept. of Civil
Department of Civil Engineering
T.O.C.E. Bengaluru.
The Oxford College of Engineering
Bangalore - 560 068.

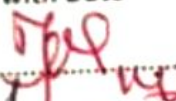
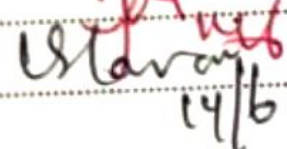
External viva:


Dr. R.M. PRAVEEN
GOWDA
Principal
Dr. R.V. PRAVEENA GOWI
T.O.C.E. Bengaluru
The Oxford College of Engineering
Bommanahalli, Hour Road
Bangalore-560 068.

Name of the Examiners

1. 
2. 

Signature with Date

1. 
2. 
14/6

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



CERTIFICATE

This is to certify that the Project **"INTERLINKING OF RIVERS"** is a bonafide work carried out by **Mr. ABDUL RASHEED N (IOX15CV001)**, **Mr. ARIF PASHA M (IOX15CV012)**, **Mr. BHEEMANNA(10X15CV014)**, **Mr. HARSHAVARDHAN R(10X15CV025)** in the partial fulfillment of award of the degree in **BE IN CIVIL ENGINEERING** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2018-2019**. The Project report has been approved as it satisfies the academic requirement in respect of the Project prescribed for the said degree.

Internal Guide

External Examiner

1. Dr. Mallek
2. Elavarasi V

Head of Department

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

12/11/18

Principal

Dr. R.V. PRAVEENA GOI
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bangalore - 560068

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled by "GEOPOLYMER MORTAR" carried out by following bonafide students of **The Oxford College of Engineering, IMSULONG JAMIR (10X15CV027), MERENBENLA AIER (10X15CV055), MOASUNEP JAMIR (10X15CV057), TAMU BAGANG (10X15CV100)** in partial fulfillment for the award of **Bachelor of Engineering in Civil 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 project report has been approved as it satisfies the academic requirements in respect of project report prescribed for the said degree.


Ms. Ramya A V
Project Guide

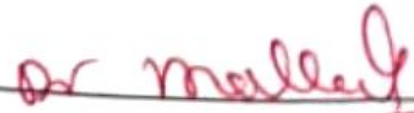


Dr. T S MALLESHAIAH
HOD(Civil dept, TOCE)


Dr. PRAVEENA GOWDA
Principal


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

EXTERNAL VIVA

Name of the Examiners

1. 
Dr. Malleiah
2. 
E. Lavarasi. V

Signature / Date


Dr. R.V. PRAVEENA GOWDA
08/08/19

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



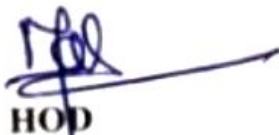
CERTIFICATE

This is to certify that the seminar *on* **STUDY OF STRENGTH EFFICIENCY OF NANO CONCRETE** is a bonafide work carried out by Mr AKASH L (10X15CV003), Ms BINDU C S (10X16CV402) ,Mr LIKHITH M (10X15CV049) , Mr SRISHAIL SAJJAN (10X16CV417) 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 **2018-2019**. The seminar report has been approved as it satisfies the academic requirement in respect of the seminar prescribed for the said degree.


PROJECT GUIDE

Ms RAMYA A V

Asst. Professor


HOD

Dr. T S MALLESHAIAH

Department of Civil Engineering, TOCE
Head of the Department

Department of Civil Engineering

The Oxford College of Engineering

Examiner **Bangalore - 560 068.**

1)

Dr Malleshiah 15/6

2)

Elavarasi V

18/Jan/16


Dr. R.V. PRAVEENA GOWDA

Principal
Dr. R.V. PRAVEENA GOWDA

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

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



CERTIFICATE

This is to certify that the Project work entitled "TREATMENT OF DAIRY WASTEWATER BY USING ANAEROBIC UPFLOW REACTOR" is a bonafied work carried out by M DEEPAK(10X16CV408), VELROY FALERO (10X15CV105), ZAHOOR AHMAD SHEIKH (10X15CV115), S SHREYA(10X15CV079) in the partial fulfilment for the award of Bachelor of Engineering (civil) from The Oxford College of Engineering under Visvesvaraya Technological University, Belgaum for the year 2018-2019. The Project report has been approved as it satisfies the academic requirement in respect of the Project work prescribed for the said degree.

Kavya
12/6/19
Guide
Ms. KAVYA S K
Asst. Prof., Civil

T S MalleSHAIAH
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.
Dr. T S MALLESHAIAH
Dept. of Civil Engineering, TOCE

R V Praveena Gowd
Principal
Dr. R V PRAVEENA GOWD
TOCE
PRINCIPAL
The Oxford College of Engineering
Signature with date
Bengaluru-560 068

External viva

Name of the Examiners

1

T S MalleSHAIAH

2

Elavarasiv

R V Praveena Gowd
15/6


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

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

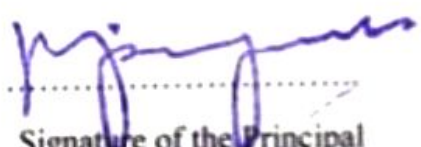
Certified that the Project work entitled "AN EXPERIMENTAL STUDY ON BEHAVIOUR OF ENGINEERED CEMENTITIOUS COMPOSITE" carried out by CHIRANJEEVI S (10X15CV016), KUMAR(10X15CV045), POOJA.N(10X15CV068), SHARANABASAVA(10X15CV091), a bonafied students of The Oxford College of Engineering, Bangalore in partial fulfilment for the award of degree of Bachelor of Engineering in CIVIL ENGINEERING of Visvesvaraya Technological University, Belgaum during the academic year 2018-19. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The Project work has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.


12/6/2019

Signature of the Guide
Mrs. SUJATA G



Signature of the HOD
Dr.T.S.MALLESHAIAH

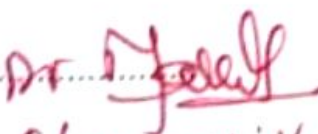




Signature of the Principal
Dr.R.V.PRAVEENA GOWDA
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

Name of the Examiners:

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

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

1. 
2. 

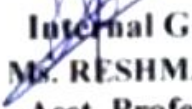

N. Shankar 13/6
12/6/19

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




CERTIFICATE

This is to certify that the **“ANALYSIS AND DESIGN OF MULTI STORIED RESEDENTIAL BUILDING SUBJECTED TO LATERAL FORCES USING STAADPRO ”** is a bonafide work carried out by **Ms DEEPIKA S ,Ms. HARSHITHA R ,Mr. MAHESHA S M, Mr. SYED NABEEL ABBAS** in the partial fulfilment 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 **2018-2019**. The internship report has been approved as it satisfies the academic requirement in respect of the internship report prescribed for the said degree.

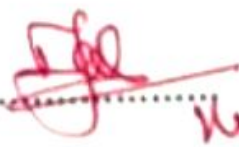

Internal Guide
Ms. RESHMA H K
Asst. Professor



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


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


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

1).....

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14/6

2).....

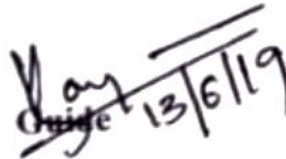
.....
14/6

BENGALURU - 560068
DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

Certified that the project work entitled "WATER QUALITY ASSESSMENT FOR MADIWALA LAKE" carried out by Karthik (10X15CV036), Lavanya B (10X15CV048), Manjunath K (10X15CV053), Moulika Shetty M (10X16CV411) are bonafied students of THE OXFORD COLLEGE OF ENGINEERING in the fulfilment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2018-2019. It is certified that all corrections / suggestions indicated for Internal Assessment have been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering.




Ms. Kavya S K
Asst. Professor


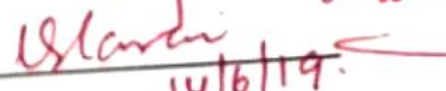

HOD
Dr. T S Malleshaiah
Dept. of Civil Engineering
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.


Principal
Dr. R V Praveena Gowda
The Oxford College of
Engineering
Dr. R.V. PRAVEENA GOWD
PRINCIPAL
The Oxford College of Engineeri
Bommanahalli, Hosur Road
Signature with date -560 068.

External Viva

Name of the examiners

1. 
2. 



14/6/19

The Oxford College Of Engineering
10th Milestone, Bommanahalli, Hosur Road,, Banglore-560068



Department of Civil Engineering

Certificate

This is to certify that the project work entitled **Smart Roads(Using Piezoelectric Sensors)**

is a bonafide work carried out by

Pramukh K A	10X15CV069
Priyanka R	10X15CV071
Rujath Gowda B	10X15CV078
Sachin Poojary	10X15CV083

in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of Visvesvaraya Technological University, Belgaum, during the year 2018-19. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

Head of the Department

Name and Signature of **Department of Civil Engineering**
Internal Guide **The Oxford College of Engineering**
Bangalore - 560 068.

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

University Examiners:

Name and Signature of Examiner-1

Name and Signature of Examiner-2



Department of Civil Engineering

Certificate

This is to certify that the project work entitled “ **PLASTIC ROADS**” is a bonafide work carried out by

RACHEL LALMUANSANGI	IOX15CV073
SANTHOSH K	IOX15CV090
VRINDA R	IOX15CV112
YADHU KRISHNAN P	IOX15CV113

in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of **Visvesvaraya Technological University, Belgaum**, during the year 2018-19. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

**Mr. PRASHANTH
HATWAR T S**
Signature of Internal
Guide

Dr. T S MALLESHAIAH
Head of the Department.
Head of the Department

**Dr. R V PRAVEENA
GOWDA**
Principal
PRINCIPAL

University Examiners:

Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.
The Oxford College of Engineer
Bommanahalli, Hosur Road
Bengaluru-560 068.

Signature of Examiner-1

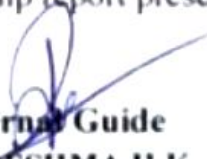
Signature of Examiner-2

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

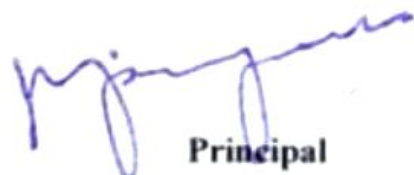


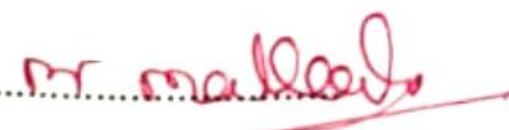
CERTIFICATE

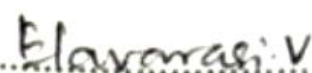
This is to certify that the **“ANALYSIS AND DESIGN OF MULTI STORIED RESEDENTIAL BUILDING SUBJECTED TO LATERAL FORCES USING STAADPRO ”** is a bonafide work carried out by **Ms DEEPIKA S ,Ms. HARSHITHA R ,Mr. MAHESHA S M, Mr. SYED NABEEL ABBAS** .in the partial fulfilment of the award of the degree in **B.E in CIVIL ENGINEERING** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2018-2019**. The internship report has been approved as it satisfies the academic requirement in respect of the internship report prescribed for the said degree.

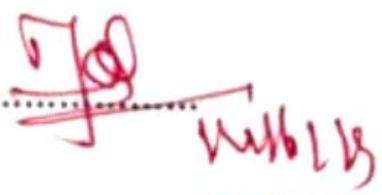

Internal Guide
Ms. RESHMA H K
Asst. Professor


HOD
Dr. T S MALLESHAIAH
Department of Civil Engineering, TOCE
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Examiner **Bangalore - 560 068.**


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

1).....

2).....

.....
14/6/19

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



CERTIFICATE

This is to certify that the Project work entitled "TREATMENT OF DAIRY WASTEWATER BY USING ANAEROBIC UPFLOW REACTOR" is a bonafied work carried out by **M DEEPAK(10X16CV408), VELROY FALERO (10X15CV105), ZAHOOR AHMAD SHEIKH (10X15CV115), S SHREYA(10X15CV079)** in the partial fulfilment for the award of **Bachelor of Engineering (civil)** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2018-2019**. The Project report has been approved as it satisfies the academic requirement in respect of the Project work prescribed for the said degree.

Kavya
Guide *14/6/19*
Ms. KAVYA S K
Asst. Prof., Civil

[Signature]
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bengaluru - 560 068.
Dr. T S MALLESHAIAH
Dept. of Civil Engineering, TOCE

[Signature]
Principal
Dr. R V PRAVEENA GOWDA
Dr. R. V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru - 560068
Signature with date

External viva

Name of the Examiners

1

Dr. Malle

2

Elavarasi V

[Signature]
15/6/19

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



CERTIFICATE

This is to certify that the project **"RECYCLED COARSE AGGREGATES IN CONSTRUCTION WORKS"** is a bonafide work carried out by **TEJAS S REDDY (IOX15CV101), MAHESH G D (IOX14CV039), MOHAMMED SALMAN (IOX14CV094), RAMAKRISHNA SB (IOX15CV076)** in the partial fulfilment of the project in **VIII Semester Bachelor of Engineering in Civil Engineering** from **The Oxford College of Engineering** under **Visvesvaraya Technological University, Belgaum** for the year **2018-2019**. The project report has been approved as it satisfies the academic requirement in respect of the project prescribed for the said degree.

Internal Guide

Dr. T S MALLESHAIAH
PROFESSOR, HOD

HOD

Head of the Department
Dr. T S MALLESHAIAH
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.

Principal

Dr. R V PRAVEENA GOWDA

TOCE

Dr. R.V. PRAVEENA GOWDA

PRINCIPAL

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

10/07/19

Dr. Malleshiah
10/07/19

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bangalore-560068

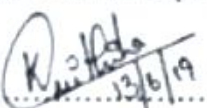
(Affiliated to VTU and approved by AICTE Accredited by NAAC and NBA)

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

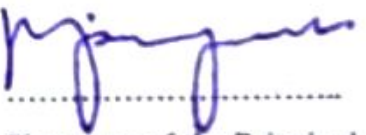
Certified that the Internship work entitled "**STABILIZATION OF BLACK COTTON SOIL USING GGBS**" carried out by **AKSHATHA S(10X15CV005), ANIL KUMAR S M(10X15CV011), IRFAN G(10X15CV029), JAYALAKSHMI R M(10X15CV032)**, a bonafide students of **The Oxford College of Engineering, Bangalore** in partial fulfilment for the award of degree of **Bachelor of Engineering in CIVIL ENGINEERING** of **Visvesvaraya Technological University, Belgaum** during the academic year **2018-19**. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The Internship work has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.


.....
13/6/19

Signature of the Guide
Ms. KRITHIKA M


.....

Signature of the HOD
Dr. T.S. MALLESHAIAH
Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.

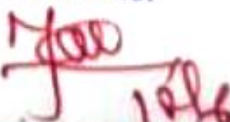

.....

Signature of the Principal
Dr. R.V. PRAVEENA GOWDA
Dr. R.V. PRAVEENA GOWD
PRINCIPAL

Name of the Examiners:

1. 

2. 


13/6/19

Signature with dates:
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.

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



CERTIFICATE

This is to certify that the **“STRENGTH OF GEOPOLYMER CONCRETE BY USING SUGARCANE BAGASSE ASH”** is a bonafide work carried out by Mr HARISH.S, Mr KRISHAN KUMAR , Mr KUMARA MUNIM , Mr MADHU.N in the partial fulfilment 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 **2018-2019**. The project report has been approved as it satisfies the academic requirement in respect of the project report prescribed for the said degree.

Shradha
Internal Guide
Ms. SHRADHA J
Asst. Professor

T S MalleSHAIAH
HOD

Dr. T S MALLESHAIAH
Department of Civil Engineering
TOCE Head of the Department
Department of Civil Engineering
The Oxford College of Engineering
Bangalore - 560 068.

R V Praveena
PRINCIPAL
Dr. R V PRAVEENA
GOWDA
TOCE

Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommenahalli Hoalur Road
Bangalore 560 068.

Examiner

- 1) *Sharan* 13/6/19
- 2) *of* 12/6/19

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)


Bommanahalli, Bangalore - 560068

DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

This is to certify that the project work entitled by "GEOPOLYMER MORTAR" carried out by following bonafide students of **The Oxford College of Engineering, IMSULONG JAMIR (10X15CV027), MERENBENLA AIER (10X15CV055), MOASUNEP JAMIR (10X15CV057), TAMU BAGANG (10X15CV100)** in partial fulfillment for the award of **Bachelor of Engineering in Civil 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 project report has been approved as it satisfies the academic requirements in respect of project report prescribed for the said degree.


Ms. Ramya A V
Project Guide

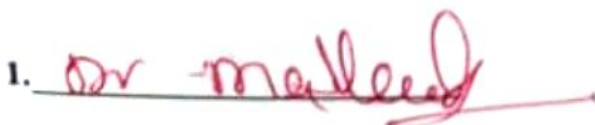

Dr. T S MALLESHAIAH
HOD(Civil dept, TOCE)


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


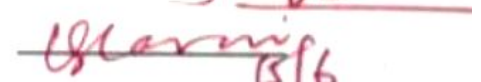
EXTERNAL VIVA

Name of the Examiners

Signature / Date

1. 

2. 



Department of Civil Engineering

Certificate


This is to certify that the project work entitled **ANALYSIS AND DESIGN OF MULTISTOREY BUILDING USING ETABS** is a bonafide work carried out by

MELAGIRI MOHAN KRISHNA	10X15CV054
SACHIN	10X15CV081
SUHASINI JADHAV	10X15CV097
VIJAYAKUMARA THIMBALI K V	10X15CV107

in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** of Visvesvaraya Technological University, Belgaum, during the year 2018-19. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.


Name and Signature of Internal Guide


Head of the Department.

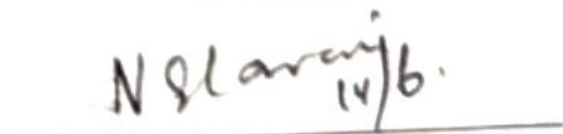

Principal Director

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

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

University Examiners:


Name and Signature of Examiner-1


Name and Signature of Examiner-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 "*Influence of Nano Fillers on Glass-Basalt Hybrid Composites in Automobile Applications*" carried about the bonafide students of The Oxford College of Engineering, **AKHIL ARJUN (10X15AU005), AMBADI M P (10X15AU006), CHETAN KUMAR (10X15AU013), HARISREE VAISHNAV (10X15AU017)** 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 project report has been approved as it satisfies the academic requirements in respect of project report prescribed for the said degree.

Mr. PRASANNA SM

Guide

Dr. RAJU BR

BOE-Chairman (AUE), VTU Examinations

Professor and Head, Dept. of Automobile Engg.

The Oxford College of Engineering

Hosur Road, Bangalore-560068

E-mail : engdhodautomobile@theoxford.edu

Mobile : 9448373636

EXTERNAL VIVA

Dr. R. V. PRAVEENA GOWDA

Principal

PRINCIPAL

The Oxford College of Engineering

Bommanahalli, Hosur Road

Bengaluru-560 068.

Name of the Examiners

1. Dr. Raju BR

2. Praveena Ar

Signature / Date

Dr. Raju BR 15/6/19

Praveena Ar 15/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru – 560068

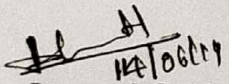
(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF AUTOMOBILE ENGINEERING



CERTIFICATE

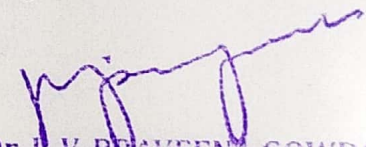
This is to certify that the Internship report entitled “FABRICATION AND BUILDING OF TWO WHEEL DRIVE HYBRID SCOOTER” submitted by ADITYA KULKARNI (10X15AU004), NAHEEM A (10X15AU029), SHARATHGOWDA R J (10X15AU043) & VARUN H L (10X15AU048) has been satisfactorily completed. It is certified that all corrections/suggestions indicated during internal assessment have been incorporated in the report. The project report has been approved as it is satisfying the academic requirements prescribed by Visvesvaraya technological University, Belagavi.


Internal Guide

Mr. Maruthi S B
Assistant Professor
Dept. Of AUE, TOCE


HOD

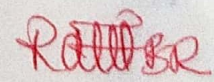

Dr. Raju B R
Professor & Head
Department of Automobile Engineering
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore- 560 068.


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

Name of the Examiners

1. Dr. Raju B R
2. Kaarthik. R V

Signature with date

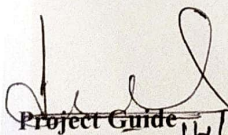

15/6/19

15/6/19

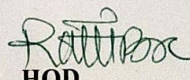
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru - 560068
(Affiliated to Viesvesvaraya Technological University, Belagavi)
DEPARTMENT OF AUTOMOBILE ENGINEERING

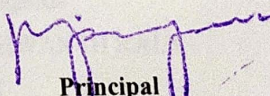


CERTIFICATE

This is to certify that the project entitled **"FINGER PRINT IGNITION FOR TWO-WHEELER VEHICLE"** Carried out by **MR BALAJI YASHWANTH RAJ N (10X16AU401)**, **MR DEEPAK M V (10X16AU402)**, **MR RAMACHANDRARAO D NAIK (10X16AU408)**, **MR SACHIN KUMARA S T (10X16AU409)**, bonafied student of **The Oxford College of Engineering** in partial fulfilment for award **Bachelor of Engineering in Automobile Engineering** of the **Viesvesvaraya Technological University, Belagavi** during the year **2018-2019**. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

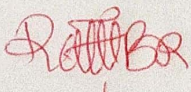
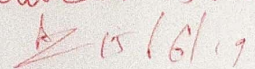

Project Guide
Mr. SATHAGIRI PRASAD N
Assistant Professor
Dept. Of Automobile Engineering


HOD
DR. RAJU B R
Dept. of Automobile Engineering
Professor & Head
Department of Automobile Engineering
The Oxford College of Engineering
Bommanahalli, Hosur Road


Principal
DR. R V PRAVEENA GOWDA
The Oxford College of Engineering
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Signature with Date.

Name of Examiners

1. **Dr. Raju B R**
2. **Mr. Sathagiri Prasad N**

 **15/6/19**
 **15/6/19**

THE OXFORD COLLEGE OF ENGINEERING
Bommanahalli, Hosur Road, Bangalore – 560068
(Affiliated to Visvesvaraya Technological University, Belagavi)
Department of Automobile Engineering



CERTIFICATE

This is to certified that the Project work entitled **“FABRICATION OF SMART BICYCLE”** is an authentic record of the project work has been carried out by the students **KEERTHI KUMAR D (10X15AU023), PRATHAP R SINGH (10X15AU034), RAJENDRAN M (10X15AU036), SIDDHARTHA BANERJEE (10X15AU045)**, bonafide students of The Oxford College of Engineering, Bangalore, in partial fulfilment for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2018-2019**. The Project Report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Deepak
Mr. DEEPAK U S

Guide

Rajuru
Dr. B R RAJU

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

R.V. Praveena Gowda
Dr. R.V PRAVEENA GOWDA

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

External Viva

Name of Examiners

1. *Dr. Raju BR*
2. *Keerthi. AU*

Rajuru BR 15/6/19
Keerthi 15/6/19

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, BENGALURU-560 068

(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF AUTOMOBILE ENGINEERING



2018 - 2019

CERTIFICATE

This is to certify that the internship entitled **“DEVELOPMENT AND FABRICATION OF ELECTRIC DIRT BIKE”** is a bonafide work carried out by **LOKESH V (10X15AU024), MITHUN GOWDA C G (10X15AU026), SAI RISHWANTH N (10X15AU028), SWARAJ S (10X15AU046)** 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 **2018-2019**.

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.

Deepak
15/06/19
Internal Guide

DEEPAK U S
Asst. Professor
Dept. of AUE, TOCE

Raju BR
HOD

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

M. V. Praveena Gowda
Principal
Dr. R V PRAVEENA GOWDA
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore-560 068.
Principal, TOCE

Name of the Examiners

1. *Raju BR (Dr. Raju BR)*
2. *Karthic AV*

Signature/date

Raju BR 15/6/19
Karthic AV 15/6/19

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

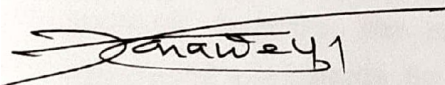
Bommanahalli, Bangalore - 560068

THE DEPARTMENT OF AUTOMOBILE ENGINEERING

CERTIFICATE

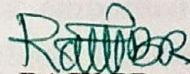
Certified that the project work entitled "**THE DEVELOPMENT OF MAGNETIC BRAKING SYSTEM USING PERMANENT MAGNETS**" carried out by **Mr. MOHAMMED ANFAL (10X14AU015), MR. MOHAMMED ATEEQ (10X14AU016), MS. RAMALLA AHMEDI (10X15AU037)**, bonafide students of **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfillment for the award of Bachelor of Engineering / Bachelor of Technology in **AUTOMOBILE ENGINEERING** of the Visvesvarayah Technological University, Belgaum during the year **2018-2019**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect to the project work prescribed for the said Degree.



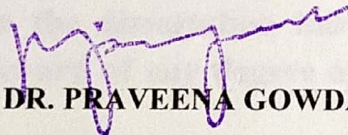
MR SANDEEP CHAVAN

(PROJECT GUIDE)



DR. RAJU BR
Professor & Head

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



DR. PRAVEENA GOWDA

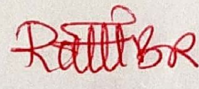
(PRINCIPAL) PRAVEENA GOWDA
PRINCIPAL

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

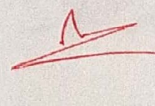
External Viva

Name of the examiners

1. Dr. Raju BR

 15/6/19

2. Karthik. AV

 15/6/19

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bangalore - 560068

DEPARTMENT OF AUTOMOBILE ENGINEERING



CERTIFICATE

It is Certified that the project work entitled by **“INFLUENCE OF NANO FILLERS ON MECHANICAL AND TRIBOLOGICAL PROPERTIES OF FIBER REINFORCED HYBRID COMPOSITES FOR AUTOMOTIVE INDUSTRIES APPLICATIONS”** is a bonafide work carried out by **Mr. ABHISHEK K T(10X15AU002)**, **Mr. DARSHAN S M (10X15AU014)**, **Mr. JAYANTH R (10X15AU021)**, **Mr. PRADEEP KUMAR V(10X15AU32)** at **THE OXFORD COLLEGE OF ENGINEERING** in partial fulfilment of the requirements for the award of **BACHELOR OF ENGINEERING IN AUTOMOBILE ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year **2018-19**. It is certified that all corrections and suggestions indicated for internal assessment have been approved as it satisfies the academic requirements in respect of project report prescribed for the said degree.

Signature of HOD

Dr. RAJU B R

Dept. of Automobile Engineering

Professor & Head

Department of Automobile Engineering

The Oxford College of Engineering

Signature of Guide **Bommanahalli, Hosur Road
Bangalore-560 068.**

Dr. RAJU B R

EXAMINER 1: _____

EXAMINER 2: _____

Dr. Raju B R

Karthi AV

Signature of principal

Dr. R V PRAVEEN GOWDA

The Oxford College of Engineering

Dr. R.V. PRAVEENA GOWDA

PRINCIPAL

The Oxford College of Engineering

Bommanahalli, Hosur Road

Bengaluru-560 068.

Raju B R 15/6/19

A 15/6/19

THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bangalore - 560068

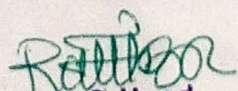
DEPARTMENT OF AUTOMOBILE ENGINEERING

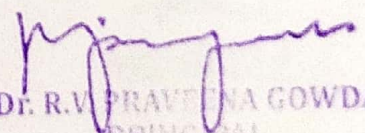


CERTIFICATE

This is to certify that the project work entitled by "EXPERIMENTAL STUDY OF CANOLA OIL AS A BLEND FOR A DIESEL ENGINE" carried out by following bonafide students of The Oxford College of Engineering, ANITET LONGKUMER (IOX14AU005), ASHUTOSH M (IOX15AU011), JENIBEMO T MURRY (IOX15AU022), MANDHARA G (IOX16AU405) in partial fulfilment for the award of Bachelor of Engineering in Automobile 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 project report has been approved as it satisfies the academic requirements in respect of project report prescribed for the said degree.


Mr. MARUTHI S B
Project Guide


Professor & Head
Department of Automobile Engineering
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore - 560068.
Dr. RAJU B R
HOD


Dr. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bangalore - 560068.
Principal

EXTERNAL VIVA

Name of the Examiners

Signature / Date

1. Dr. Raju B R
2. Karthik A V

Raju B R 15/6/19
Karthik A V 15/6/19

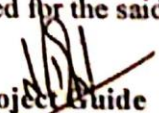
THE OXFORD COLLEGE OF ENGINEERING


Bommanahalli, Hosur Road, Bengaluru, Karnataka -560068
(Affiliated to Visvesvaraya Technological University, Belgavi)
Department of Mechatronics Engineering




Certificate

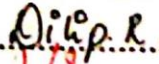

"Smart Rewarding Waste Management System" Carried out by K.R.SAI CHARAN (10X15MT018), ANUSHA P PRADEEP (10X15MT004), SHAMMAH (10X15MT041), GAYATHRI DEVI P (10X15MT014) bonafide students of The Oxford College Of Engineering in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-19. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Project Guide
Mr. N. Thirumurugan
Asst. Professor, Dept. of MTE

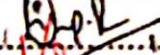


HOD
Mr. Jayakumar N
Professor and HOD of MTE
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068


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

Name of the Examiners

1. 
2. 

Signature of Examiners

1.  12/10/19
2. 


THE OXFORD COLLEGE OF ENGINEERING


Bommanahalli, Hosur Road, Bengaluru, Karnataka -560068
(Affiliated to Visvesvaraya Technological University, Belgavi)
Department of Mechatronics Engineering




Certificate



“Railway Track Crack/Break Detection System with Onboard Signalling” Carried out by Mr. SEBIN MATHEW (1OX16MT407) Mr. VIVEK PURUSHOTHAM (1OX15MT049) Mr. RAGHU J (1OX16MT406) Mr. VINEETH V (1OX16MT412) bonafide students of The Oxford College Of Engineering in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-19. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Project Guide
Mr. Chethan S
Asst. Professor, Dept. of
MTE



HOD
Mr. Jayakumar N
Professor and HOD of
MTE
Prof. & HOD
Department of Mechatronics
The Oxford College Of Eng
Bommanahalli, Bangalore -



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

Name of the Examiners

1. 
2. 

Signature of Examiners





THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru - 560068
(Affiliated to VTU and approved by AICTE)


DEPARTMENT OF MECHATRONICS ENGINEERING




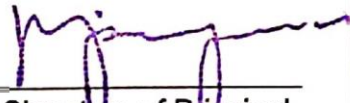
CERTIFICATE

Certified that the project entitled "EFFECTIVE ALERT SYSTEM FOR AUTOMOBILE WITH VEHICLE TO VEHICLE COMMUNICATION" is carried out by Mr. ASHOK KUMAR A (10X15MT001), Mr. POOJITH V (10X15MT032), Mr. THIPPESWAMY CA(10X15MT045), bonafide students of The Oxford College of Engineering, Bengaluru in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019.

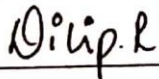
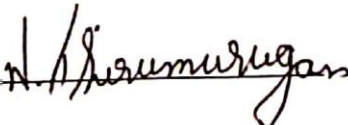
It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


Signature of Guide
Mr. Chethan S
Asst. Professor, Dept.
of MTE


Signature of HOD
Mr. Jayakumar N
Professor and HOD of
Department of MTE Mechatronics
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560068.


Signature of Principal
Dr. R V Praveena Gowda
Principal, TOCE
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560068.

Name of the examiners

1. 
2. 

Signature



THE OXFORD COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi)

Bommanahalli, Bengaluru-560068

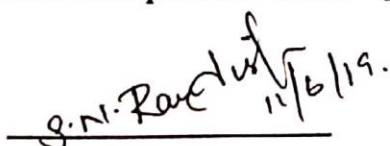
DEPARTMENT OF MECHATRONICS ENGINEERING




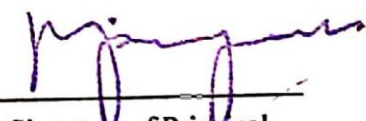
CERTIFICATE

Certified that the project entitled "PRODUCTIVITY IMPROVEMENT BY APPLYING TOYOTA PRODUCTION SYSTEM" is carried out by Mr. DARSHAN R with USN 10X15MT010, Mr. MOHITH S with USN 10X15MT025, Mr. VIKAS S REDDY with USN 10X15MT047 in partial fulfilment for the award of Bachelor of Engineering in Mechatronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019.

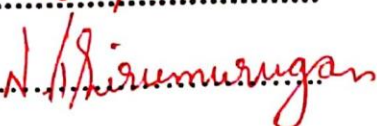
It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

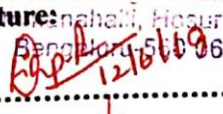

Signature of Guide
Ms. RANI AISHWARYA S N


Signature of HOD
Prof. HOD
Department of Mechatronics
The Oxford College of Engineering
Bommanahalli, Bengaluru-560068.


Signature of Principal
Dr. PRAVEENA GOWDA
Dr. R.V. PRAVEENA GOWDA
Principal
The Oxford College of Engineering
Bommanahalli, Bengaluru-560068.

External Examiners:-
Name:

1. 
2. 


.....

.....

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru - 560068
(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF MECHATRONICS ENGINEERING



CERTIFICATE

Certified that the project entitled "DUAL NOZZLE 3D PRINTER" is carried out by **Mr. Prajwal belliappa (10X15MT030)** , **Mr. Punith kumar R (10X15MT034)** in partial fulfillment for the award of Bachelor of Engineering in **Mechatronics Engineering** of **Visvesvaraya Technological University, Belagavi** during the academic year 2018-2019.

It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of Guide
Mr. Dhananjaya V

Department of Mechatronics
The Oxford College Of Engineering
Bommanahalli, Bangalore - 560 088
Signature of HOD
Mr. Jayakumar N

R.V. BRAHMANA GOWDA
Signature of Principal
Dr. R.V. Praveena
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.
Gowda

Signature

External Examiners
Name:

1: Dilip.R

2: N. Hariharan

Signature
Dilip R
12/6/19

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru - 560068
(Affiliated to VTU and approved by AICTE)

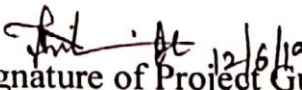
DEPARTMENT OF MECHATRONICS ENGINEERING





CERTIFICATE

Certified that the project entitled " **MULTICONTROL OF WHEELCHAIR USING RASPBERRY PI 3**" is carried out by Mr. Dennis M D (10X15MT011) , Mr. Jivin George (10X15MT016), Mr. P Sumanesh Mohan (10X15MT031) and Mr. Shyjin Scaria Saji (10X15MT043) in partial fulfillment for the award of Bachelor of Engineering in **Mechatronics Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2018-2019.


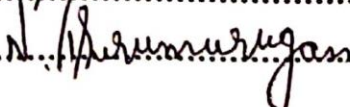
It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

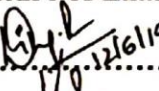
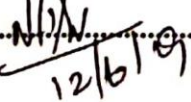

Signature of Project Guide
Mrs. Tulasi K L
Assistant Professor
Dept. of MTE
TOCE


Signature of HOD
Mr. Jayakumar N
Head of Department
Department of MEE
Dept. of MEE
TOCE
The Oxford College of Engineering
Bommanahalli, Bengaluru - 560 068


Signature of Principal
Dr. Praveena Gowda
Principal
TOCE
Dr. Praveena Gowda
Principal
TOCE
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068.

Name of the Examiners

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


.....

.....
12/6/19

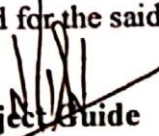
THE OXFORD COLLEGE OF ENGINEERING

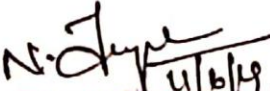
Bommanahalli, Hosur Road, Bengaluru, Karnataka -560068
(Affiliated to Visvesvaraya Technological University, Belgavi)
Department of Mechatronics Engineering

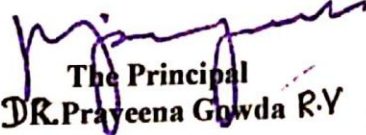


Certificate

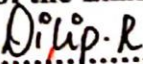

"Smart Rewarding Waste Management System" Carried out by K.R.SAI CHARAN (10X15MT018), ANUSHA P PRADEEP (10X15MT004), SHAMMAH (10X15MT041), GAYATHRI DEVI P (10X15MT014) bonafide students of The Oxford College Of Engineering in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belgaum during the year 2018-19. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Project Guide
Mr. N. Thirumurugan
Asst. Professor, Dept. of MTE




Prof. HOD
Mr. Jayakumar N.
Professor and HOD of MTE
Department of Mechatronics
The Oxford College of Engineering
Bommanahalli, Bangalore - 560 068.


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

Name of the Examiners

1. 
2. 

Signature of Examiners

1. 
2. 

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru-560068
(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF MECHATRONICS ENGINEERING



CERTIFICATE

Certified that the project entitled "HEXA FARM BOT" is carried out by Mr. ARNOLD SACHITH A HANS (10X15MT005), Mr. NITIN (10X15MT027), Mr. MOHIT BANSAL (10X15MT023), Mr. ROBSOM JANI SHIKARI (10X15MT038) in partial fulfilment for the award of Bachelor of Engineering in Mechatronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019.

It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.


08/06/19

Signature of Guide
Mr. JAYAKUMAR. N


08/06/19

Signature of HOD

Mr. JAYAKUMAR. N

for Prof. & HOD

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



Signature of Principal

Dr. PRAVEENA GOWDA
Dr. R.V. PRAVEENA GOWDA
PRINCIPAL

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

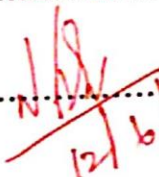
Signature with Date

Name of the Examiners

1. 

2. 

..... 

..... 

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Bengaluru - 560068
(Affiliated to VTU and approved by AICTE)

DEPARTMENT OF MECHATRONICS ENGINEERING



CERTIFICATE

Certified that the project entitled "**SILENT SPEECH RECOGNITION**" is carried out by **Mr. AJAY YADUKRISHNAN H (10X15MT002)**, **Mr. JOSH ELIAS JOY (10X15MT017)**, **Mr. PRATHAP J (10X15MT033)**, **Mr. RAGHAV KANOONGO (10X15MT035)** in partial fulfillment for the award of Bachelor of Engineering in **MECHATRONICS ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2018-2019.

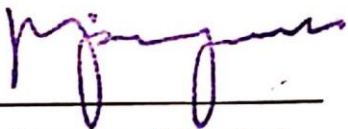
It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.



Signature of Guide
Mrs. RAJESWARI M



Signature of HOD
Mr. JAYAKUMAR N



Signature of Principal
Dr. R.V. PRAVEENA GOWDA

Department of Mechatronics
The Oxford College of Engineering

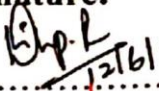
External Examiners:
Name:


1. 

2. 

The Oxford College of Engineering
Bommanahalli, Bengaluru - 560068.

Signature:


.....
12/6/19


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12/6/19

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This is to certify that the project work entitled "BEACH GARBAGE COLLECTION ROBOT USING IMAGE SEGMENTATION" has been carried out by Mr. Dharmendra S (10X15MT012), Mr. Asif Jambagi (10X16MT400), Mr. Kantharaju (10X16MT402), Mr. Vinay Kumar K V (10X16MT411) bonafide students of The Oxford College Of Engineering, Bangalore in partial fulfillment for the award of Bachelor of Engineering in Mechatronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2018-2019. It is certified that all corrections/suggestions indicated for the internal Assessment has been incorporated in the Report deposited in the Departmental Library. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the Bachelor of Engineering degree.


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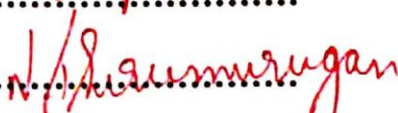

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External Viva-Voce

Name of the Examiners

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Signature with Date

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Certified that the internship entitled "BASIC AUTOMATION TECHNOLOGIES" is carried out by Mr. DARSHAN R with USN 10X15MT010, Mr. MOHITH S with USN 10X15MT025, Mr. VIKAS S REDDY with USN 10X15MT047 in partial fulfilment for the award of Bachelor of Engineering in Mechatronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

S.N. Ravi 11/6/19

Signature of Internal Guide
Ms. RANI AISHWARYA S N

Rahul Dixit

Signature of External Guide
Mr. RAHUL DIXIT



Name of the Examiners

1. S.HANMURUGAN
2. N. Hanmurugan

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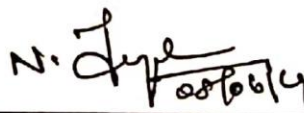
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It is certified that all corrections suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.



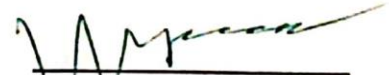
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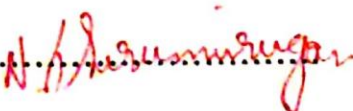
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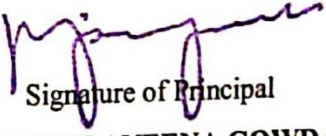


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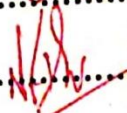

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CERTIFICATE

This is to certify that **ABHILASH S N** bearing **10X17MBA01** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY ON RECRUITMENT AND SELECTION** at **LKP SECURITIES LTD, BANGALORE** is prepared by him/her under the guidance of **Dr. R V DHANALAKSHMI**, HOD, MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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This is to certify that **ABISHEK REDDY B** bearing **10X17MBA04** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **"A STUDY ON PERFORMANCE EVALUATION OF SELECTED BASED ON MARKET INDEX"** at **SWASTIKA INVESTMENT LTD** in **BENGALURU** is prepared by him/her under the guidance of **Dr. R.V DHANALAKSHMI, HOD**, of MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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This is to certify that **ABHISHEK.V** bearing **USN:10X17MBA03** is a bonified student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. Project report on **"A STUDY ON LOANS AND ADVANCES OF THE PAVAGADA SOUHARDA CREDIT CO-OPERATIVE LIMITED," BANGALORE** is prepared by her under the guidance of **DR.R.V. DHANALAKSHMI, HOD MBA** department, in partial fulfilment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.


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This is to certify that **ADARSHA B N**, bearing **10X17MBA05** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on “**A STUDY ON DIGITAL MARKETING**” at **ALPHA COMMODITIES PVT LID** is prepared by him/her under the guidance of **Dr. R V DHANALAKSMI**, HOD, MBA department, in partial fulfilment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, and Karnataka.

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This is to certify that **AHINSHAD C** bearing **USN:10X17MBA06** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A Study on employee satisfaction at CERA BOARDS & DOORS, Kannur ,Kerala** is prepared by him under the guidance of **Dr.R V Dhanalakshmi**, HOD MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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CERTIFICATE

This is to certify that **AJAY KUMAR.P** bearing **10X17MBA07** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY ON WORKING CAPITAL** at **EVOLET TECHNOLOGIES, R T Nagar Bangalore** is prepared by him/her under the guidance of **Dr. R V DHANALAKSHMI, HOD, MBA** department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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This is to certify that **AKHILESH P** bearing **10X17MBA08** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY ON TRAINING AND DEVELOPMENT AT FORTUNE COTTON AND AGRO INDUSTRIES, GOURAMPUR VILLAGE** is prepared by him/her under the guidance of **DR. R.V. DHANALAKSHMI, HOD**, MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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CERTIFICATE

This is to certify that AKSHAY PRAKASH TANDEL bearing **10X17MBA09** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on “**STUDY ON WORKING CAPITAL**” at **I3IT PEOPLE, BANGALORE** is prepared by him/her under the guidance of **Dr. R.V. DHANALAKSHMI**, MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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CERTIFICATE

This is to certify that **AMEENA SADAF** bearing **10X17MBA10** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on “**A STUDY ON EMPLOYEE ENGAGEMENT PRACTICES**” at **RJS RECRUITMENT AND CONSULTING PVT LTD, BANGALORE** is prepared by her under the guidance of **Dr. R.V. DHANALAKSHMI**, MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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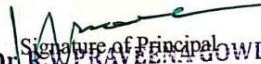
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CERTIFICATE

This is to certify that **ANIL KUMAR M** bearing **10X17MBA11** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **TRAINING AND DEVELOPMENT** at **BAMUL BANGALORE** is prepared by him/her under the guidance of **Dr. R V DHANALAKSHMI**, HOD, Master of Business Administration, in partial fulfilment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.


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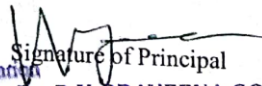
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This is to certify that **LAKSHMI M** bearing **10X17MBA56** is a bonafide student of Master of Business Administration course of the institute 2018–2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY ON EVALUATING THE EFFECTIVENESS OF TRAINING AND DEVELOPMENT USING KIRKPATRICK'S MODEL** at **ASHOK LEYLAND UNIT 1, HOSUR** is prepared by him/her under the guidance of **Dr. R.V. DHANALAKSHMI**, Head Of the Department, MBA department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.


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This is to certify that **LIKITHA.V.M.** Bearing **10X17MBA57** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY OF FINANCIAL PERFORMANCE** at **KOMUL Ltd, KOLAR** is prepared by him/her under the guidance of **Dr. R.V. DHANALAKSHMI, HOD, MBA** department, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, and Karnataka.

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This is to certify that **MADHU SUDHAN P** bearing USN **10Y17MBA05** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **A STUDY OF EMPLOYEE EVALUATION AT PAGE INDUSTRIES LTD (JOCKEY), Bommasandra, Jigani** is prepared by him under the guidance of **Dr. R V DHANALAKSHMI, Head Of Department, MBA department**, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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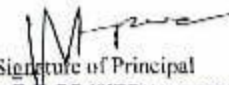
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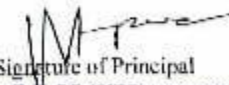
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This is to certify that ANIL KUMAR M bearing 10X17MB11 is a bonafide student of Master of Business Administration course of the semester 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on TRAINING AND DEVELOPMENT at BAMUL BANGALORE is prepared by him/her under the guidance of Dr. R V DHANALAKSHMI, HOD, Master of Business Administration, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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This is to certify that **SUNIL K PATEL**, bearing **USN: IOX17MBA60** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on "**A STUDY ON FINANCIAL ANALYSIS OF LAXMI TIMBER CORPORATION**" AT **LAXMI TIMBER CORPORATION** is prepared by him/her under the guidance of **Dr. M. KATHIRAVAN**, Associate Professor MBA department, in partial fulfilment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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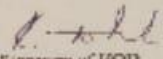
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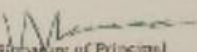
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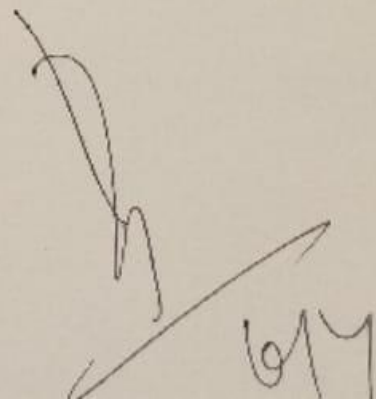
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This is to certify that **KAVYA P O** bearing **10X17MBA54** is a bonafide student of Master of Business Administration course of the session 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **EMPLOYEE ABSENTEEISM at NASH PERNYA INDUSTRY** is prepared by her/him under the guidance of **Ms. RICHA TIWARI ASSISTANT PROFESSOR, MBA Department**, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, and Karnataka.


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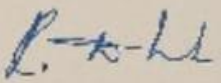
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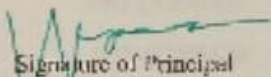
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This is to certify that ADARSHA B N, Uoanag 10X17MBAY15 is a bonafide student of Master of Business Administration course of the institute 2015-2016, affiliated to VIT-Vellore Technological University, Belagavi. The project titled on "A STUDY ON DIGITAL MARKETING" at ALPHA COMMODITIES PVT LTD is prepared by student under the guidance of Dr. R V DEIVANALARSMI, HOD, MBA department in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of VIT-Vellore Technological University, Belagavi, and Karnataka.


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This is to certify that **UJWALA P SALGUDI** bearing USN **10Y17MBA49** is a bonafide student of Master of Business Administration course of the institute 2018-2019, affiliated to Visvesvaraya Technological University, Belagavi. The project report on **THE STUDY ON RECRUITMENT PROCESS** at: **CAMDEN TOWN TECHNOLOGIES PVT.LTD, #151 3rd Floor Moksha Mansion Sarjapur Main Road 1st Block Karamangala, Bengaluru, Karnataka 560034** is prepared by him/her under the guidance of **RICHA TIWARI, Assistant Professor MDA department**, in partial fulfillment of the requirement for the award of The Degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

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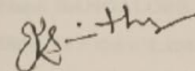
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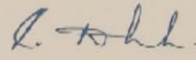
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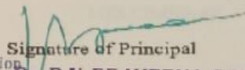
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Twitter Spam Detection

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

AKASH K

10X16MCA01

During the academic year 2018-2019

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Signature of the HOD
Dr. M.S. Shashidhara
(Dept. of MCA, TOCE)

Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru)

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Department of Master of Computer Applications



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BHISHMA PRATAP GUPTA
10X16MCA03

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Department of Master of Computer Applications



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10X16MCA04

During the academic year 2018-2019


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Prof. J C Achutha.

(Dept. of MCA, TOCE)


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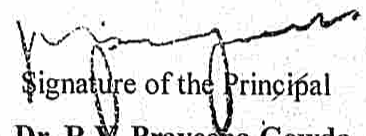
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**Cyberbullying Detection Based on Semantic Enhanced Marginalized Denoising
Auto-Encoder**

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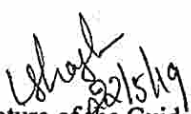
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CHAITRA BAGODI

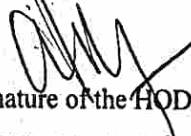
10X16MCA05

During the academic year 2018-2019


Signature of the Guide

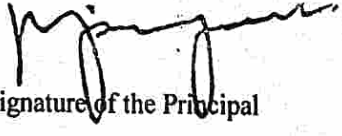
Prof. Ushasree

(Dept. of MCA, TOCE)


Signature of the HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)


Signature of the Principal

Dr. R.V. Praveena Gowda

(Principal, TOCE, Bengaluru)

DR. R.V. PRAVEENA GOWDA

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Name of Examiners

1.

2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Honour Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

“HYBRID MODEL BASED DEVELOPER AND COORDINATOR”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visvesvaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**DHARSIAN K
10X16MCA06**

During the academic year 2018-2019

Signature of the Guide & HOD

Dr. M.S. Shushidhara

(Dept. of MCA, TOCE)

The Head

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The Oxford College of Engineering

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Name of Examiners

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Signature of the Principal

Dr. R. V. Praveena Gowda

(Principal, TOCE, Bengaluru)

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PRINCIPAL

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Bommanahalli, Honour Road

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**INTELLIGENT FUNCTIONALITIES CONSOLIDATED PRODUCTIVITY
SCENARIO DRAFTER**

Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**GANDLAPARTHY KESHAVAREDDY
10X16MCA07**

During the academic year 2016-2017

Signature of the Guide

Prof. Dharamvir
(Dept. of MCA, TOCE)

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Name of Examiners

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Signature of the HOD

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Hosur Road, BANGALORE -

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(Principal, TOCE, Bengaluru)
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Bengaluru-560 068
Signature with date.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

GREY SCALE IMAGE COLORIZATION USING NEURAL NETWORK

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

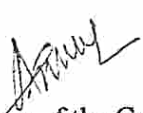
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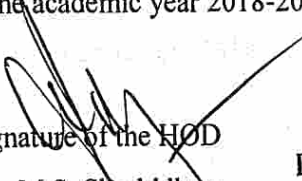
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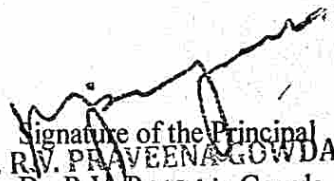
HARSHA R

10X16MCA08

During the academic year 2018-2019


Signature of the Guide
Prof. Ashok B P
(Dept. of MCA, TOCE)


Signature of the HOD
Dr. M.S. Shashidhara
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Dr. R.V. PRAVEENA GOWDA
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External Viva

Name of Examiners

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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**“APPLICATION OF TEXT CLASSIFICATION AND CLUSTERING OF
TWITTER DATA FOR BUSINESS ANALYTICS”**

Submitted in partial fulfillment of the requirement for the award of the degree of


Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**LHAKPA TSERING
10X16MCA11**

During the academic year 2018-2019


Signature of the Guide and HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

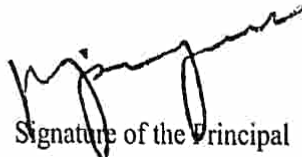
The Oxford College of Engineering

Hosur Road, BANGALURU

Name of Examiners

1.

2.


Signature of the Principal

Dr. R. V. Praveena Gowda

(Principal, TOCE, Bengaluru)

**Dr. R.V. PRAVEENA GOWDA
PRINCIPAL**

The Oxford College of Engineering

**Bommanahalli, Hosur Road
Bengaluru-560 068.**

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
“INCIDENT ELUCIDATION WITH AUTO INTELLIGENCE”
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

MANNEM RUTHVIK
10X16MCA12

During the academic year 2018-2019

Signature of the Guide & HOD

Dr. M.S. Shashidhara

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Name of Examiners

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Signature of the Principal

Dr. R. V. Praveena Gowda

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Signature with date

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Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

Knowledge Pointer using OSM

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

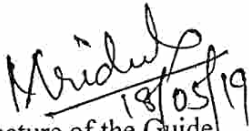
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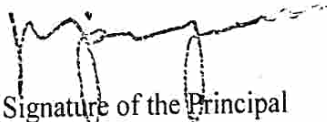
MEGHANA A

10X16MCA13

During the academic year 2018-2019


Signature of the Guide
Prof. Mridula Shukla
(Dept. of MCA, TOCE)


Signature of the HOD
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Department of MCA
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External Viva

Name of Examiners

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THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**“INTELLIGENCE BASED STRUCTURAL TOOL WITH ELABORATED
MATRIX”**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**MOHAN T M
10X16MCA14**

During the academic year 2018-2019

Signature of the Guide & HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

Signature of the Principal

Dr. R. V. Praveena Gowda

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External Viva

Name of Examiners

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2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Disease Prediction By Machine Learning and Data Mining
Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

MUBASHERA A R

10X16MCA15

During the academic year 2018-2019

Mridula
23/05/19
Signature of the Guide
Prof. Mridula Shukla
(Dept. of MCA, TOCE)

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Dr. M.S. Shashichara
(Dept. of MCA, TOCE)

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Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**EFFICIENT OBJECT DETECTION AND MATCHING USING FEATURE
CLASSIFICATION**

Submitted in partial fulfillment of the requirement for the award of the degree of

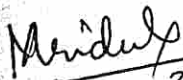
Master of Computer Applications

From Visveswaraya Technological University, Belagavi

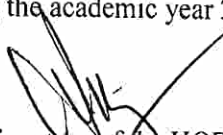
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**MUHSINA VT
10X16MCA16**

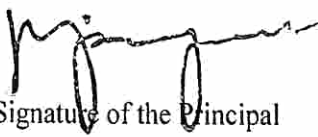
During the academic year 2018-2019


Signature of the Guide
24/05/19

Prof. Mridula Shukla
(Dept. of MCA, TOCE)


Signature of the HOD

Dr. M.S. Shashidhara
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Department of MCA
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Hosur Road, BANGALORE -


Signature of the Principal

Dr. R.V. Praveena Gowda
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Name of Examiners

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2.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**Enhancing spam detection on mobile phone SMS performance using FP-Growth and
naive bayes classifier**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

NANDINI B M

10X16MCA17

During the academic year 2018-2019

Mridula
18/05/19
Signature of the Guide

Prof. Mridula Shukla

(Dept. of MCA, TOCE)

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Signature of the Principal

Dr. R.V. Praveena Gowda

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Bengaluru-560 068.

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External Viva

Name of Examiners

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The Head
Department of MCA
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Hosur Road, BANGALORE -

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**A MACHINE LEARNING BASED PREDICTION OF SALES FORECASTING USING
LINEAR REGRESSION**

Submitted in partial fulfillment of the requirement for the award of the degree of

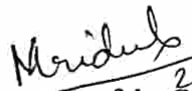
Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**NISHA SHALINI
10X16MCA19**

During the academic year 2018-2019

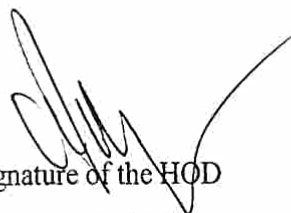

Signature of the Guide
Prof. Mridula Shukla
(Dept. of MCA, TOCE)

External Viva

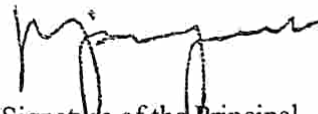
Name of Examiners

1.

2.


Signature of the HOD
Dr. M.S. Shashidhara
(Dept. of MCA, TOCE)
The Head

Department of MCA
The Oxford College of Engineering
Hosur Road, BANGALORE -


Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru) WDA
PRINCIPAL
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Bommanahalli, Hosur Road
Bengaluru-560 068.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru 560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Application of Data Mining Methods in Diabetes Prediction

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

R.SUPRIYA

10X16MCA20

During the academic year 2018-2019

Mridula
23/05/19
Signature of the Guide
Prof. Mridula Shukla
(Dept. of MCA, TOCE)

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(Dept. of MCA, TOCE)

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Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru)

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Signature with date

External Viva

Name of Examiners

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2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

Property Swipes

Submitted in partial fulfillment of the requirement for the award of the degree of


Master of Computer Applications


From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

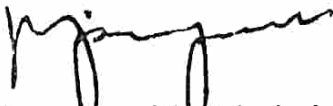
RAJA PAUL
10X16MCA21

During the academic year 2018-2019


Signature of the Guide
Prof. Mridula Shukla
(Dept. of MCA, TOCE)


Signature of the HOD
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(Dept. of MCA, TOCE)

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External Viva

Name of Examiners

1.

2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

“GUIDED INDUSTRY SPECIFICATION BASED ILLUSTRATIVE PANEL”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

SOMESH V

10X16MCA22

During the academic year 2018-2019

Signature of the Guide & HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

The Oxford College of Engineering,

Hosur Road, BANGALORE -

Name of Examiners

1.

2.

Signature of the Principal

Dr. R.V. Praveena Gowda

(Principal, TOCE, Bengaluru) A

The Oxford College of Engineering

Bommanahalli, Hosur Road

Bengaluru-560 068.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

“USER BEHAVIOUR BASED ROUTE PREDICTION USING GPS SENSOR”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

TANIMA MAITY

10X16MCA23

During the academic year 2018-2019

Signature of the Guide & HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

External Viva College of Engineering

Name of Examiners Hosur Road, BANGALORE -

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Signature of the Principal

Dr. R. W. Praveena Gowda

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BANGALORE - 560 068

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Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
“FACE DETECTION AND FACIAL EXPRESSION RECOGNITION SYSTEM”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

AJAY KUMAR
10X17MCA70

During the academic year 2018-2019

Signature of the Guide and HOD

Dr. M.S. Shashidhara
(Dept. of MCA, TOCE)

Signature of the Principal

Dr. R.V. Praveena Gowda
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External Viva

Name of Examiners

Signature with date

1.

2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
"MULTIPLE HIERARCHICAL DECISION ON NEURAL NETWORK TO PREDICT HUMAN
AGE AND GENDER"

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**AKHIL SAI
10X17MCA71**

During the academic year 2018-2019

Signature of the Guide and HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

Signature of the Principal

Dr. R.V. Praveena Gowda

(Principal, TOCE, Bengaluru)

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Signature with date

External Viva

Name of Examiners

1.

2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**“DATA ANALYTICS ON HEALTH CARE OF HEART DISEASES USING
MACHINE LEARNING”**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**AMIR GANI BHAT
10X17MCA73**

During the academic year 2018-2019

Signature of the Guide

Prof. Dharamvir

(Dept. of MCA, TOCE)

Signature of the HOD

Dr. M.S. Shashidhara

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The Head

Department of MCA

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DR. R.V. PRAVEENA GOWDA

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2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**“DIGITAL IMAGE TRACING BY SEQUENTIAL
MULTIPLE WATERMARKING”**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

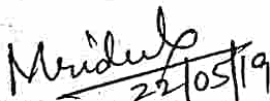
From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

ARUN KUMAR R

10X17MCA74

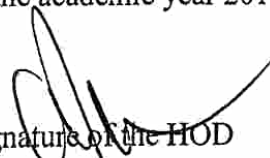
During the academic year 2018-2019

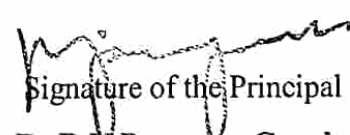

Signature of the Guide
Mrs. Mridula Shukla
(Dept. of MCA, TOCE)

External Viva
Name of Examiners

1.

2.


Signature of the HOD
Dr. M.S. Shashidhara
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The Head
Department of MCA
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Hosur Road, BANGALORE -


Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru)
DR. R.V. PRAVEENA GOWDA
PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

**"A SEMANTIC APPROACH FOR TEXT CLUSTERING
USING WORDNET AND LEXICAL CHAINS"**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi is

a result of the bonafide work carried out by

**DEEPIKA B
IOX17MCA75**

During the academic year 2018-2019

Signature of the Guide

Prof. Dharamvir

(Dept. of MCA, TOCE)

Signature of the HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

**The Head
Department of MCA
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Hosur Road, BANGALORE**

Signature of the Principal

Dr. R.V. Praveena Gowda

(Principal, TOCE, Bengaluru)

**Dr. R.V. PRAVEENA GOWDA
PRINCIPAL**

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External Viva

Name of Examiners

1.

2.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

“EMAIL SPAM DETECTION USING NAVIE BAYESIAN CLASSIFIER ”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi is

a result of the bonafide work carried out by

DIVYA B
10X17MCA76

During the academic year 2018-2019

Signature of the Guide
Prof. Dharamvir
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Signature of the HOD
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Department of MCA
The Oxford College of Engineering
Hosur Road, BANGALORE -

Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru)

Dr. R.V. Praveena Gowda
PRINCIPAL
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Bommanahalli, Hosur Road
Bengaluru-560 068.

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External Viva

Name of Examiners

- 1.
- 2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications




CERTIFICATE

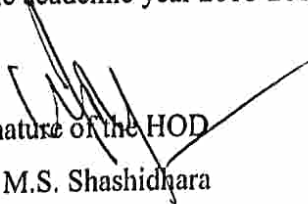
This is to certify that the project work entitled
**Credit Card Fraud Detection Using Machine Learning Techniques: A Comparative
Analysis**

Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications


From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by
HM SADIK AHSAN MAZUMDER
10X17MCA77

During the academic year 2018-2019


Signature of the Guide
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(Dept. of MCA, TOCE)

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Hosur Road, BANGALORE


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CERTIFICATE

This is to certify that the project work entitled
THE EMERGENCY HELP FINDER ANDROID APPLICATION
Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

JASEEL P V
10X17MCA78

During the academic year 2018-2019

Signature of the Guide
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External Viva

Name of Examiners

- 1.
- 2.

Signature of the HOD
Dr. M.S. Shashidhara
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(Principal, TOCE, Bengaluru) DA
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Bengaluru-560 068.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
"INFORMATION RETRIEVAL"

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

JASPAL SINGH SANDHU

10X17MCA79

During the academic year 2018-2019

Signature of the Guide

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(Dept. of MCA, TOCE)

Signature of the HOD

Dr. M.S. Shashidhara

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Dr. R.V. PRAVEENA GOWDA
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The Head
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The Oxford College of Engineering
Hosur Road, BANGALORE -

External Viva

Name of Examiners

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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
CALO-Cognitive Assistant: AI attempted to integrate numerous into a Cognitive Assistant

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**MOHAMED ABUL FARIZ A
10X17MCA80**

During the academic year 2018-2019

Signature of the Guide
Prof. Dharamvir
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Signature of the HOD

Dr. M.S. Shashidhara
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Name of Examiners

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2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

GENERATION OF HANDWRITING BY ACTIVE SHAPE MODELING AND GLOBAL LOCAL APPROXIMATION (GLA) ADAPTATION

Submitted in partial fulfillment of the requirement for the award of the degree of

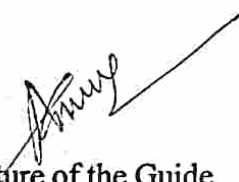
Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**NAVEEN M
10X17MCA82**

During the academic year 2018-2019

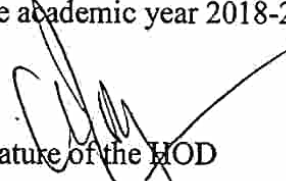

Signature of the Guide
Prof. Ashok B P
(Dept. of MCA, TOCE)

External Viva

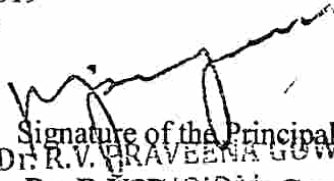
Name of Examiners

1.

2.


Signature of the HOD
Dr. M.S. Shashidhara
(Dept. of MCA, TOCE)

The Head
Department of MCA
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Signature of the Principal
Dr. R.V. Praveena Gowda
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Bommanahalli, Hosur Road,
Bengaluru-560 068.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**EMR-Data Visualization: A Context Signatures Improve Diagnostic Classification using
Medical server Computing**
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

V BHAVYA NAGINI
10X17MCA87

During the academic year 2018-2019

Signature of the Guide

Prof. Ashok B P

(Dept. of MCA, TOCE)

Signature of the HOD

Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

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Hosur Road, BANGALORE -**

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Dr. R.V. PRAVEENA GOWDA
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External Viva

Name of Examiners

1.

2.

Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bangalore-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
“AUTOSEC”

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

Master of Computer Applications

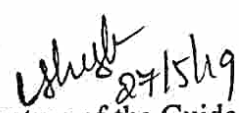
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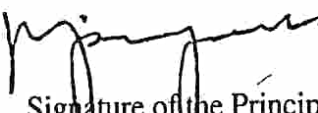
AKSHANSH SHRIVASTAVA

10X17MCA88

During the academic year 2018-2019


Signature of the Guide
Prof. Usha Sree
(Dept. Of MCA, TOCE)


Signature of the HOD
Dr. M.S. Shashidhara
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Signature with date

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Name of Examiners

- 1.
- 2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**IMPORTANCE OF SMART CURIGHT MULTISPECIALTY EMERGENCY AND
TRACKING SYSTEM**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

Is a result of the bonafide work carried out by

**BHAVYA R
10Y17MCA70**

During the academic year 2018-2019

Signature of the Guide

Prof. Ashok B.P

(Dept. of MCA, TOCE)

Signature of the HOD

Dr. M.S. Shashidhara

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External Viva

Name of Examiners

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2.

THE OXFORD COLLEGE OF ENGINEERING

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Detective Mapping Procedure with Live Substances
Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

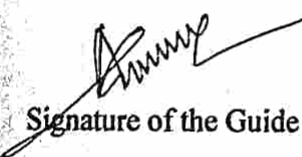
From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

GANESH BAJANTHRI

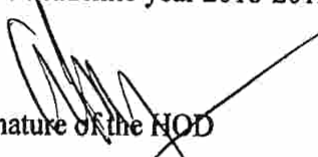
10Y17MCA71

During the academic year 2018-2019


Signature of the Guide

Prof. Ashok B P

(Dept. of MCA, TOCE)


Signature of the NOD

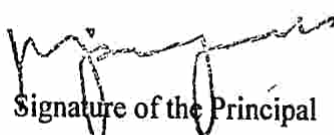
Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

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Hosur Road, BANGALORE -


Signature of the Principal

Dr. R.V. Praveena Gowda

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Name of Examiners

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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

A Machine Learning Based Network Sentiment Mining Model for IT-Product Sales Analysis

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

GOWTHAM A

10Y17MCA72

During the academic year 2018-2019

Mridula
20/05/19

Signature of the Guide

Prof. Mridula Shukla

(Dept. of MCA, TOCE)

Signature of the HOD

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External Viva

Name of Examiners

1.

2.

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
"Hexalock- A Smart Security Friend"

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

KACHHADIYA RUCHITA BHASKARBHAI

10Y17MCA73

During the academic year 2018-2019

Usha
Signature of the Guide

Prof. Usha sree R

(Dept. of MCA, TOCE)

Signature of the HOD

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Hosur Road, BANGALORE

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External Viva

Name of Examiners

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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
"Message Queuing Using Two Users Communication Scenario through HTTP"
Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

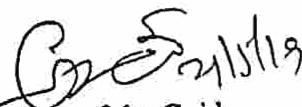
From Visveswaraya Technological University, Belagavi

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KANCHAN KUMARI

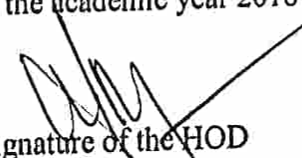
10Y17MCA74

During the academic year 2018-2019


Signature of the Guide

Prof. J C Achutha.

(Dept. of MCA, TOCE)


Signature of the HOD

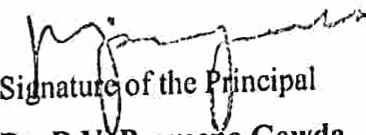
Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

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Hosur Road, BANGALORE -


Signature of the Principal

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

“Lunge Nodule Classification Using Artificial Crawlers And Rose Diagram , Support Vector Machine”

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi


is a result of the bonafide work carried out by

KAVYA M V
10Y17MCA75

During the academic year 2018-2019

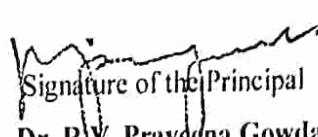

Signature of the Guide

Prof. J C Achutha.
(Dept. of MCA, TOCE)


Signature of the HOD

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2.

THE OXFORD COLLEGE OF ENGINEERING

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Department of Master of Computer Applications




CERTIFICATE


This is to certify that the project work entitled
“Lightweight Secure Data Sharing Scheme for Mobile Cloud Computing”
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

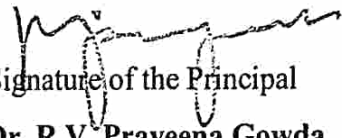
From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

KEERTHY S
10Y17MCA76

During the academic year 2018-2019


Signature of the Guide
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(Dept. of MCA, TOCE)


Signature of the HOD
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(Dept. of MCA, TOCE)


Signature of the Principal
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(Principal, TOCE, Bengaluru)

The Head
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External Viva

Name of Examiners

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Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
"Privacy-Preserving Social Media Data Publishing For Personalized Ranking-Based
Recommendation"
Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

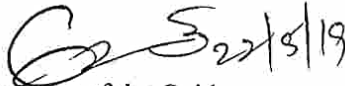
From Visveswaraya Technological University, Belagavi

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KUMARI KOMAL

10Y17MCA77

During the academic year 2018-2019



Signature of the Guide

Prof. J C Achutha.

(Dept. of MCA, TOCE)



Signature of the HOD

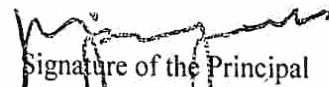
Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

The Oxford College of Engineering,
Hosur Road, BANGALORE



Signature of the Principal

Dr. R.V. Praveena Gowda

(Principal, TOCE, Bengaluru)

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CERTIFICATE

This is to certify that the project work entitled
Sentimental Analysis on Tourism Using Data Mining
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

MADHU KUMAR D
10Y17MCA78

During the academic year 2018-2019

Signature of the Guide
Prof. J C Achutha
(Dept. of MCA, TOCE)

Signature of the HOD
Dr. M.S. Shashidhara
(Dept. of MCA, TOCE)

Signature of the Principal
Dr. R.V. Praveena Gowda
(Principal, TOCE, Bengaluru)

External Viva

Name of Examiners

Signature with date

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THE OXFORD COLLEGE OF ENGINEERING

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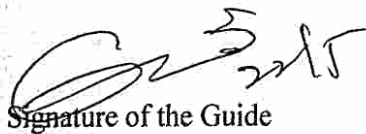
This is to certify that the project work entitled
“Speech Emotion Detection based on Convolution Neural Network and Random Forest”
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

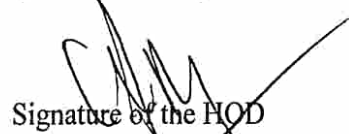
MANJUNATHA S N
10Y17MCA79

During the academic year 2018-2019


Signature of the Guide

Prof. J C Achutha.

(Dept. of MCA, TOCE)


Signature of the HOD

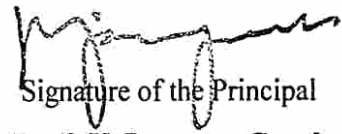
Dr. M.S. Shashidhara

(Dept. of MCA, TOCE)

The Head

Department of MCA

The Oxford College of Engineering
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Signature of the Principal

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Name of Examiners

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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
**“ANALYSING AND IMPROVING SALES FORCE AUTOMATION AND
TICKETING SYSTEM THROUGH MOBILE APPLICATION”**

Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

**MOHAN P
10Y17MCA80**

During the academic year 2018-2019

Signature of the Guide

Mr. J C Achutha.

(Dept. of MCA, TOCE)

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Name of Examiners

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Dr. M.S. Shashidhara

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

Accurate Traffic Matrix Estimation in Both Public and Private Datacenter Networks

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visvesvaraya Technological University, Belagavi

is a result of the bonafide work carried out by

**NAYANA KS
10Y17MCA81**

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Ushasree
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THE OXFORD COLLEGE OF ENGINEERING

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Monitoring System for Patients Using Multimedia for Smart Health Care.

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications


From Visvesvaraya Technological University, Belagavi

is a result of the bonafide work carried out by

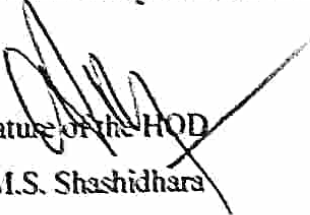
RENUKHA I

10Y17MCA82

During the academic year 2018-2019

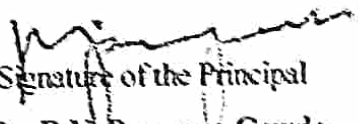

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Asst. Prof. Ushasree R
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Dr. M.S. Shashidhara
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THE OXFORD COLLEGE OF ENGINEERING

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
“ Framework for surveillance of instant messenger & social networking sites”
Submitted in partial fulfillment of the requirement for the award of the degree of

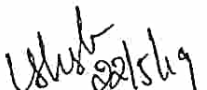
Master of Computer Applications

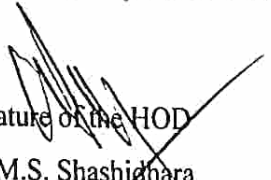
From Visveswaraya Technological University, Belagavi

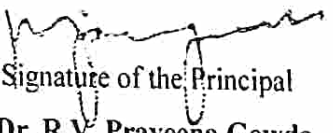
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SHOAIB J H
10Y17MCA83

During the academic year 2018-2019


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Signature with date

THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
“ Personalized Recommendation Combining User Interest and Social Circle”
Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

SNEHA KUMARI JHA
10Y17MCA84

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Ushasree 22/5/19
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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Implementation of SOS Guardian Safety Emergency for Tracking Application.

Submitted in partial fulfillment of the requirement for the award of the degree of
Master of Computer Applications

From Visveswaraya Technological University, Belagavi
is a result of the bonafide work carried out by

SUSMITA C JUMANAL
10Y17MCA85

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Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled
Leaf Disease Detection using Machine Learning

Submitted in partial fulfillment of the requirement for the award of the degree of


Master of Computer Applications


From Visveswaraya Technological University; Belagavi


is a result of the bonafide work carried out by

VEDHA B N
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Signature of the Guide
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Name of Examiners

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THE OXFORD COLLEGE OF ENGINEERING

Bommanahalli, Hosur Road, Bengaluru-560 068

Department of Master of Computer Applications



CERTIFICATE

This is to certify that the project work entitled

**“SALES FORCE AUTOMATION AND TICKETING SYSTEM
MANAGEMENT FOR E-COMMERCE THROUGH MOBILE
APPLICATION”**

Submitted in partial fulfillment of the requirement for the award of the degree of

Master of Computer Applications

From Visveswaraya Technological University, Belagavi

is a result of the bonafide work carried out by

C YASHWANTH

10Y17MCA87

During the academic year 2018-2019

Usha Shree R
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Mrs. UshaShree R

(Dept. of MCA, TOCE)

M.S. Shashidhara
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Dr. M.S. Shashidhara

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Dr. R.V. Praveena Gowda
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