



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)

Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

6.3.5 Proofs for having taken action on the basis of recommendations of HOD and Principal in Performance Appraisal.

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

SHOBHA T

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF COMPUTER & INFORMATION SCIENCES

for the thesis entitled

SOFT COMPUTING BASED PARADIGM FOR LAND USE LAND COVER
DATA

*in recognition of the fulfillment of requirements
for the said degree*

PH
19 001875

Given under the seal of the University

USN: 10X14PEM01



BELAGAVI

DATE : MARCH 10, 2022

VICE CHANCELLOR



This is to certify that

SEEMA PATIL

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF COMPUTER & INFORMATION SCIENCES

for the thesis entitled

NATURE INSPIRED ADAPTIVE APPROACH BASED HYBRID
CLUSTERING TECHNIQUE FOR IDENTIFYING HOTSPOTS IN CRIME
DATABASES.

*in recognition of the fulfillment of requirements
for the said degree*

PH 001693
19

Given under the seal of the University

USN: 10X14PEM02



BELAGAVI

DATE : MARCH 10, 2022

VICE CHANCELLOR

PhD Registration Provisional Letter from University



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100

Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

Provisional Registration Letter for Ph.D. Degree Programme (Office Order)

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.
2. Candidate's ETR Application No. : 5873
3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars	
1.	Name of the Candidate	S VISALINI
2.	University Seat Number (USN)	1OX20PCS04
3.	Admission Category of Research Programme (Full Time/Part Time).	Ph.D. - Part Time
4.	Faculty under which the degree will be awarded.	FACULTY OF COMPUTER AND INFORMATION SCIENCES
5.	Name of the Research Center	OXFORD COLLEGE OF ENGINEERING J.P. NAGAR
6.	Specialization	COMPUTER SCIENCE AND ENGINEERING
7.	Proposed Research Topic / Area.	DIAGNOSIS OF PNEUMONIA DISEASE BY MEDICAL IMAGE PROCESSING USING DEEP LEARNING
8.	Name and address of the Research Supervisor.	DR.R.KANAGAVALLI Professor - COMPUTER SCIENCE AND ENGINEERING OXFORD COLLEGE OF ENGINEERING J.P. NAGAR

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.


Registrar

To,

1. S VISALINI, F302 ITTINA MAHAVEER NEELADRI MAIN ROAD ELECTRONIC CITY PHASE 1 BANGALORE.
2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research Organization where the candidate has to register for admission to Ph.D. programme.
3. To Research Supervisor: DR.R.KANAGAVALLI

4. Office copy.

Document Generated Date: 2022-07-11 & Time: 08:43:50, Web portal: <https://jnanashodha.vtu.ac.in>



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.

REGISTRAR

Phone: (0831) 2498100

Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

Provisional Registration Letter for Ph.D. Degree Programme

(Office Order)

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.

2. Candidate's ETR Application No. : 6389

3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars	
1.	Name of the Candidate	INDU K S
2.	University Seat Number (USN)	1NH20PIS01
3.	Admission Category of Research Programme (Full Time/Part Time).	Ph.D. - Part Time
4.	Faculty under which the degree will be awarded.	FACULTY OF COMPUTER AND INFORMATION SCIENCES
5.	Name of the Research Center	NEW HORIZON COLLEGE OF ENGINEERING BANGALORE
6.	Specialization	INFORMATION SCIENCE AND ENGINEERING
7.	Proposed Research Topic / Area.	EARLY STAGE DETECTION AND CLASSIFICATION OF BENIGN AND MALIGNANT OVARIAN TUMORS IN OBSTETRIC ULTRASOUND IMAGING
8.	Name and address of the Research Supervisor.	DR.ARVIND SHIVAPPA KAPSE Professor - INFORMATION SCIENCE AND ENGINEERING NEW HORIZON COLLEGE OF ENGINEERING BANGALORE

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.

Registrar

To,

1. INDU K S, SAI PRIDE APARTMENT, #G1 AMALODHBHAVA NAGARA, NEAR ST FRANCIS SCHOOL ICSE HONGASANDRA BEGUR ROAD, BANAG.

2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research

- Organization where the candidate has to register for admission to Ph.D. programme.
3. To Research Supervisor: DR.ARVIND SHIVAPPA KAPSE
 4. Office copy.

Document Generated Date: 2021-12-31 & Time: 18:32:20, Web portal: <https://jnanashodha.vtu.ac.in>



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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Visvesvaraya Technological University

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"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.

REGISTRAR

Phone: (0831) 2498100

Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

Provisional Registration Letter for Ph.D. Degree Programme

(Office Order)

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.

2. Candidate's ETR Application No. : 5873

3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars	
1.	Name of the Candidate	S VISALINI
2.	University Seat Number (USN)	1OX20PCS04
3.	Admission Category of Research Programme (Full Time/Part Time).	Ph.D. - Part Time
4.	Faculty under which the degree will be awarded.	FACULTY OF COMPUTER AND INFORMATION SCIENCES
5.	Name of the Research Center	OXFORD COLLEGE OF ENGINEERING J.P. NAGAR
6.	Specialization	COMPUTER SCIENCE AND ENGINEERING
7.	Proposed Research Topic / Area.	DIAGNOSIS OF PNEUMONIA DISEASE BY MEDICAL IMAGE PROCESSING USING DEEP LEARNING
8.	Name and address of the Research Supervisor.	DR.R.KANAGAVALLI Professor - COMPUTER SCIENCE AND ENGINEERING OXFORD COLLEGE OF ENGINEERING J.P. NAGAR

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.

Registrar

To,

1. S VISALINI, F302 ITTINA MAHAVEER NEELADRI MAIN ROAD ELECTRONIC CITY PHASE 1 BANGALORE.
2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research Organization where the candidate has to register for admission to Ph.D. programme.
3. To Research Supervisor: DR.R.KANAGAVALLI

4. Office copy.

Document Generated Date: 2022-05-18 & Time: 10:30:39, Web portal: <https://jnanashodha.vtu.ac.in>



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

"ಜ್ಞಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. A. S. Deshpande, B.E., M.Tech., Ph.D.

REGISTRAR

Phone: (0831) 2498100

Fax : (0831) 2405467

VTU/BGM/Aca/Ph.D./2020-21/878

Date: December 31, 2021

Provisional Registration Letter for Ph.D. Degree Programme

(Office Order)

Sub: Provisional Ph.D. Registration reg...

Ref: 1. Notification No. VTU/BGM/Aca/Ph.D./2020-21/847 dated 07-11-2020.

2. Candidate's ETR Application No. : 5062

3. Hon'ble Vice Chancellor's Order dated 14-12-2021.

Pursuant to the recommendations of the Admission Committee and approval of Honourable Vice Chancellor, you have been selected for provisional admission to pursue Ph.D. programme under Visvesvaraya Technological University, Belagavi.

The details pertaining to the registration are given below:

Sl.No.	Particulars	
1.	Name of the Candidate	LAKSHMI R
2.	University Seat Number (USN)	1BI20PEI01
3.	Admission Category of Research Programme (Full Time/Part Time).	Ph.D. - Part Time
4.	Faculty under which the degree will be awarded.	FACULTY OF ELECTRICAL AND ELECTRONICS ENGINEERING SCIENCES
5.	Name of the Research Center	BANGALORE INSTITUTE OF TECHNOLOGY BANGALORE
6.	Specialization	ELECTRONICS AND INSTRUMENTATION ENGINEERING
7.	Proposed Research Topic / Area.	Flow Based Dynamic IP Address Generation Technique Against DOS Attacks in a Link Local Network
8.	Name and address of the Research Supervisor.	DR.SUDHA.L.K. Assc. Professor - ELECTRONICS AND INSTRUMENTATION ENGINEERING BANGALORE INSTITUTE OF TECHNOLOGY BANGALORE

The Research Scholars shall strictly follow the norms of the University with regard to the Regulations Governing the Degree of Doctor of Philosophy (Ph.D.) / M.S. (Research) - 2020 and any other amendments effected from time to time.

Registrar

To,

1. LAKSHMI R, #870 17TH MAIN 25TH CROSS HSR LAYOUT SECTOR 3 BANGALORE 560102.

2. Principal of the college / Director, Principal or Dean (Architecture)/Chairperson of the University Department/Research Organization where the candidate has to register for admission to Ph.D. programme.

3. To Research Supervisor: DR.SUDHA.L.K.
4. Office copy.

Document Generated Date: 2022-07-11 & Time: 09:02:27, Web portal: <https://jnanashodha.vtu.ac.in>

NPTEL Certification

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS31S13190601

To
SHOBHA T
#31, JAYA PRAGATHI LAYOUT
VASTHU ENCLAVE MAIN ROAD, KUDLU
BENGALURU
KARNATAKA - 560068
PH. NO :9481810739



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHOBHA T

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **83** %

Online Assignments	24.56/25	Programming Exam	18.75/25	Proctored Exam	40/50
--------------------	----------	------------------	----------	----------------	-------

Total number of candidates certified in this course: **7438**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS78S13192604

To
SHOBHA T
#31, JAYA PRAGATHI LAYOUT
VASTHU ENCLAVE MAIN ROAD, KUDLU
BENGALURU
KARNATAKA - 560068
PH. NO :9481810739



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

SHOBHA T

for successfully completing the course

Python for Data Science

with a consolidated score of **67** %

Online Assignments	15.83/25	Programming Exam	16.75/25	Proctored Exam	34.68/50
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Total number of candidates certified in this course: **1937**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Aug 2021
(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22EE45S23194164

To
LAKSHMI R
870, 25TH CROSS, 17TH MAIN, HSR SECTOR3
KARNATAKA - 560102
PH. NO :9886907776



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

LAKSHMI R

for successfully completing the course

Digital System Design

with a consolidated score of **75** %

Online Assignments	19.25/25	Proctored Exam	55.67/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **383**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Prof. Andrew Thangaraj
Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noc/>



Roll No: NPTEL19EE69S61142788

To
RESNA S R
GPI 410, ASTRO GREEN PARK REGENCY,
CHOODASANDRA ROAD, NR. AMRITA SCHOOL OF
ENGG.
BANGALORE
BANGALORE RURAL DISTRICT
KARNATAKA
560035
PH. NO :7760896766



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

RESNA S R

for successfully completing the course

Electrical Machines



with a consolidated score of **75** %

Online Assignments	24.75/25	Proctored Exam	50.24/75
--------------------	----------	----------------	----------

Devendra Jaliwal

Prof. Devendra Jaliwal
Chairman
Centre for Continuing Education, IITM

Total number of candidates certified in this course: **138**

Jul-Oct 2019
(12 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL21EE68S13191010

To RESNA S R
GP1-410, ASTRO GREEN PARK REGENCY
CHOODASANDRA ROAD, CARMELARAM P.O
BANGALORE
KARNATAKA - 560035
PH. NO : 7760896766



Duration of NPTEL course: 8 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RESNA S R



for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **63 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Sep 2021)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL21EE68S13191010

To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21EE68S13191010

To
RESNA S R
GP1-410, ASTRO GREEN PARK REGENCY
CHOODASANDRA ROAD, CARMELARAM P.O
BANGALORE
KARNATAKA - 560035
PH. NO : 7760896766



No. of credits recommended by NPTEL: 2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



Elite NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

RESNA S R

for successfully completing the course

Introduction to Smart Grid

with a consolidated score of **63** %

Online Assignments	22.08/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **386**

Prof. V. C. Srivastava
Coordinator, Continuing Education Centre
IIT Roorkee

Jul-Sep 2021
(8 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No:NPTEL22GE07S33200897

To NISHA C RANI
ABHYUDAYA, # 27 ,MARQLAND AVENUE LAYOUT
CHIKKANAGAMANGALA,HUSKUR POST
BANGALORE
KARNATAKA - 560099
PH. NO :9449635342



Duration of NPTEL course: 4 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



NPTEL-AICTE Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

NISHA C RANI

for successfully completing the course

Teaching And Learning in Engineering (TALE)

with a consolidated score of **91 %**



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Feb 2022)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL22GE07S33200897

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22GE07S33200897

To

NISHA C RANI
ABHYUDAYA, # 27, MARQLAND AVENUE LAYOUT
CHIKKANAGAMANGALA, HUSKUR POST
BANGALORE
KARNATAKA - 560099
PH. NO :9449635342



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NISHA C RANI

for successfully completing the course

Teaching And Learning in Engineering (TALE)

with a consolidated score of **91** %

Online Assignments	24.58/25	Proctored Exam	66/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **142**

Prof. G. L. Sivakumar Babu
Chairman, Center for Continuing Education
IISc Bangalore

Jan-Feb 2022
(4 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



Roll No:NPTEL22GE07S33200897

To validate and check scores: <https://nptel.ac.in/noc>



Faculty Development Program Certificates

BMS INSTITUTE OF

TECHNOLOGY AND MANAGEMENT

Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru-560064.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INDIAN ACADEMY OF SCIENCES, BENGALURU SPONSORED



CERTIFICATE OF PARTICIPATION

This is to certify that Prof. Shobha T of
The Oxford College of Engineering has participated in online
National Level Two Days Virtual Lecture Workshop on "**Diversified
Applications of Machine Learning Algorithms**" held on 21st and 22nd Sept
2021 jointly organized by **Department of Computer Science & Engineering,**
BMS Institute of Technology and Management, Bengaluru and Indian
Academy of Sciences, Bengaluru.

Dr. Bhuvaneshwari C M,
Professor & HOD, CSE

Dr. Mohan Babu G N,
Principal, BMSIT&M

|| Jai Sri Gurudev ||



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P.B.No. 20, B.B.Road, Chickballapur - 562 101



CERTIFICATE

This is to certify that SHOBHA T has participated in 3 - days virtual FDP on “**Artificial Intelligence and Machine Learning**” organized by Departments of CSE & ISE in association with IIC and SJCIT-CSI Student Chapter, from September 20-22, 2021.

Dr. Anitha T N
Prof. and HOD, Dept. of CSE
Convener

Prof. Satheesh Chandra Reddy
Assoc. Prof. and HOD, Dept. of ISE
Convener

Dr. G T Raju
Principal, SJCIT
Organizing Chair



THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru -560068

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



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

THIS IS TO CERTIFY THAT

Seema Patil



Has participated in the six days Faculty Development Program on "Advances in Artificial Intelligence and Machine Learning" held from 26th -31st JULY 2021 organized by Department of Computer Science and Engineering in association with IEEE CS Chapter, TOCE, Bengaluru.

Dr. M. Nirmala
Program Coordinator

Dr. R. CH. A. Naidu
Organizing Chair

Dr. N. Kannan
Principal

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

This is certified that **Indu K S, Assistant Professor** of **The Oxford College of Engineering** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "**Intelligent Computing in Healthcare**" from **20/09/2021** to **24/09/2021** at **National Institute of Technology Raipur**.

Advisor-I, ATAL Academy
Mamta Rani Agarwal



Coordinator

THE OXFORD COLLEGE OF ENGINEERING

BOMMANAHALLI, HOSUR ROAD, BANGALORE-560068

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NBA Accredited

CERTIFICATE

OF PARTICIPATION

Indu KS

TOCE

For participating in "FDP on Recent Trends in Photonics" held from 14th - 19th June, 2021,

Organized by Department of Electronics & Communication Engineering,

The Oxford College of Engineering, Bangalore-68

Preetha Sharan

DR. PREETHA SHARAN

Professor &
IEEE Branch Member, TOCE

Manju Devi

DR. MANJU DEVI

HOD, Dept. of ECE, TOCE

N. Kannan

DR. N. KANNAN

Principal, TOCE



Sagar Institute of Research & Technology, Bhopal

Department of Computer Science and Engineering



Two Days Hands on Workshop "Machine Learning with Graph"

Under CSI & IQAC (21st–22nd June, 2021)

Certificate of Participation

This is to certify that

Indu K S

has successfully attended Two Days Hands on Workshop "**Machine Learning with Graph**" organized by Computer Science & Engineering, Sagar Institute of Research & Technology (SIRT), Bhopal under CSI & IQAC From 21st–22nd June, 2021.

Prof. Nitin Varshney
Coordinator

Prof. Chetan Gupta
Coordinator

Prof Shivendra Dubey
Coordinator

Dr. Ritu Shrivastava
Convenor

Dr. Rajiv Srivastava
Director





|| Jai Sri Gurudev ||
Sri Adichunchanagiri Shikshana Trust (R)

SJB INSTITUTE OF TECHNOLOGY

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BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru -560060, Ph: 080-28612445/46, Website: www.sjbit.edu.in

INNOVATION CENTER, SJBIT, BENGALURU



CERTIFICATE

This is to Certify that Mr./Ms./Mrs./Prof. **Indu K S**

of **The oxford college of engineering**

has actively participated in Three days Online Lecture Series on the topic

"Health and Technology Aspects" held from 2nd June to 4th June, 2021 during

covid pandemic. Organized by Innovation Center, SJBIT, Kengeri, Bengaluru - 560060.

Dr. Ajai Chandran C K
Principal,
SJBIT

Revered Sri Sri Dr. Prakashnath Swamiji
Managing Director,
BGS & SJB Group of Institutions and Hospitals



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Five Day National Level Virtual Faculty Development Program on
Data Science and Machine Learning



7th March 2022 to 11th March 2022

Certificate of Participation

This is to certify that

Mr./Ms./Dr. Indu K S

of

TOCE

has participated in the Five Day National Level Virtual Faculty Development Program on
“Data Science and Machine Learning” organised in association with
Computer Society of India

HOD – CSE

Dean Academics

Principal



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Certificate

Certificate No: S1AICTESTTP30

This is to certify that
Mrs. LAKSHMI R

Participated and successfully completed the AICTE Sponsored One Week Online Short
Term Training Program (STTP) on
**“Impact of Artificial Intelligence (AI) and Deep Learning (DL) on Internet of Things (IoT) for
Designing Smarter Products – A Hands on Approach” – Slot 2**

Organized by

Department of Electronics and Communication Engineering in association with
Institution's Innovation Council of Francis Xavier Engineering College, Tirunelveli,
Tamil Nadu - 627003.

Date: 09th to 14th November 2020.

AICTE STTP COORDINATOR
Dr.K.Lakshminarayanan

HOD/ECE
Mrs.J.Friska

PRINCIPAL
Dr.V.Velmurugan



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

(Accredited by NBA & NAAC, Approved by A.I.C.T.E., New Delhi, Permanently Affiliated to JNTU, HYD)

Aziz Nagar Gate, C.B. post, Hyderabad -500075



CERTIFICATE OF PARTICIPATION

This is to Certify that

Lakshmi R

(**Oxford college of engineering**)

has participated in the **AICTE Sponsored Two Week Online Faculty Development Programme (FDP) on “Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems”** conducted by the Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in association with AICTE from **16-11-2020 to 28-11-2020**

Dr. P. Ganesan
Coordinator

Dr. K. Vasanth
HoD-ECE

Dr. A. Padmaja
Principal

Dr. E. Saibaba Reddy
Director

CERTIFICATE OF PARTICIPATION

We hereby recognize

LAKSHMI R

The Oxford College of Engineering

for attending webinar cum workshop on
“Performing and Designing experiments on virtual platform”
during 8th June to 17th June, 2020.



Prof. M. SALEEM KHAN

COORDINATOR
MJPRU, BAREILLY



Prof. ARCHANA GUPTA

CONVENER
MJPRU, BAREILLY



Prof. R. S. ANAND

COORDINATOR VIRTUAL LAB
IIT ROORKEE



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Aziz Nagar Gate, C.B. post, Hyderabad -500075



CERTIFICATE OF PARTICIPATION

This is to Certify that

SOWMYA PADUKONE.G

(**THE OXFORD COLLEGE OF ENGINEERING, BANGALORE**)

has participated in the **AICTE Sponsored Two Week Online Faculty Development Programme (FDP) on “Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems”** conducted by the Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in association with AICTE from **16-11-2020 to 28-11-2020**

Dr. P. Ganesan
Coordinator

Dr. K. Vasanth
HoD-ECE

Dr. A. Padmaja
Principal

Dr. E. Saibaba Reddy
Director



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Aziz Nagar Gate, C.B. post, Hyderabad -500075



CERTIFICATE OF PARTICIPATION

This is to Certify that

Ms.SOWMYA PADUKONE.G

(THE OXFORD COLLEGE OF ENGINEERING)

has participated in AICTE Sponsored Two Week Online Faculty Development Programme (FDP) on **“Implementation of Artificial Intelligence for Solving Digital Signal and Image Processing Problems”** conducted by the Department of Electronics and Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in association with AICTE from **28-12-2020 to 11-01-2021.**

Dr. P. Ganesan
Coordinator

Dr. K. Vasanth
HoD-ECE

Dr. A. Padmaja
Principal

Dr. E. Saibaba Reddy
Director



The Oxford College of Engineering

Bangalore-560068



All India Council for Technical Education (AICTE) Sponsored
Two Weeks Faculty Development Programme

Certificate of Participation

This is to certify that Mr./Ms./Dr./Prof. SANDEEP K CHAVAN
of THE OXFORD COLLEGE OF ENGINEERING, BANGALORE college
has participated in All India Council for Technical Education (AICTE) sponsored faculty
development programme on "WORLD-CLASS NEW PRODUCT DESIGN & MANUFACTURING"
Organized by Department of Automobile Engineering, The Oxford College of Engineering,
Bengaluru from 1st – 13th January 2018.

Dr. RAJU B R

Coordinator & Organizing Secretary

Dr. R.V. PRAVEENA GOWDA

Principal

Dr. R NAGARAJ

Director



Certificate

OF PARTICIPATION
THIS CERTIFICATE IS PROUDLY AWARDED TO :

Mrs. Seema V

ASSISTANT PROFESSOR, THE OXFORD COLLEGE OF ENGINEERING
HAS PARTICIPATED SUCCESSFULLY IN A ONE WEEK AICTE-ISTE REFRESHER PROGRAMME ON "RECENT
ADVANCES IN MATERIAL DESIGN, MANUFACTURING, CHARACTERIZATION, MACHINING, AND
APPLICATIONS"

CONDUCTED BY THE DEPARTMENT OF AUTOMOBILE ENGINEERING
DURING 22-02-2022 TO 28-02-2022
IN ONLINE MODE

PROGRAMME CO-ORDINATOR

(Dr. RAJU.B.R)

Principal

(Dr. N. KANNAN)



THE OXFORD COLLEGE OF ENGINEERING

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



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

THIS IS TO CERTIFY THAT

Seema V

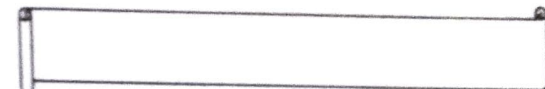


Has participated in the six days Faculty Development Program on "Advances in Artificial Intelligence and Machine Learning" held from 26th -31st JULY 2021 organized by Department of Computer Science and Engineering in association with IEEE CS Chapter, TOCE, Bengaluru.

Dr. M. Nirmala
Program Coordinator

Dr. R. CH. A. Naidu
Organizing Chair

Dr. N. Kannan
Principal





THE OXFORD COLLEGE OF ENGINEERING

10th Milestone, Bommanahalli, Hosur Road, Bengaluru - 560 068

AICTE-SPICES (ABHILASH CLUB) Sponsored Programme



This is to certify that

Mr./Ms. Seema V

**has successfully completed 4 days Skill Development Program on “Dart and Flutter Programming & Participated in Innovative App Challenge” Contest
Organized by Department of MCA, The Oxford College of Engineering on 30th August 2021 to 02nd September 2021.**

Dr. M. S. Shashidhara
Coordinator

Dr. N. Kannan
Principal



Certificate

OF PARTICIPATION
THIS CERTIFICATE IS PROUDLY AWARDED TO :

Mrs. Seema V

ASSISTANT PROFESSOR, THE OXFORD COLLEGE OF ENGINEERING
HAS PARTICIPATED SUCCESSFULLY IN A ONE WEEK AICTE-ISTE REFRESHER PROGRAMME ON "RECENT
ADVANCES IN MATERIAL DESIGN, MANUFACTURING, CHARACTERIZATION, MACHINING, AND
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CONDUCTED BY THE DEPARTMENT OF AUTOMOBILE ENGINEERING
DURING 22-02-2022 TO 28-02-2022
IN ONLINE MODE

PROGRAMME CO-ORDINATOR

(Dr.RAJU.B.R)

Principal

(Dr. N. KANNAN)



THE OXFORD COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

THIS IS TO CERTIFY THAT

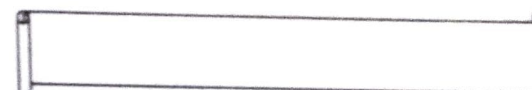
Seema V

Has participated in the six days Faculty Development Program on "Advances in Artificial Intelligence and Machine Learning" held from 26th -31st JULY 2021 organized by Department of Computer Science and Engineering in association with IEEE CS Chapter, TOCE, Bengaluru.

Dr. M. Nirmala
Program Coordinator

Dr. R. CH. A. Naidu
Organizing Chair

Dr. N. Kannan
Principal





THE OXFORD COLLEGE OF ENGINEERING

10th Milestone, Bommanahalli, Hosur Road, Bengaluru - 560 068

AICTE-SPICES (ABHILASH CLUB) Sponsored Programme



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Dr. M. S. Shashidhara
Coordinator

Dr. N. Kannan
Principal



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Hosur Road, Bommanahalli, Bengaluru -560068

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

THIS IS TO CERTIFY THAT

Syed Firozuddin

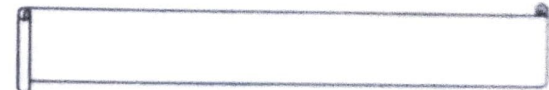


Has participated in the six days Faculty Development Program on "Advances in Artificial Intelligence and Machine Learning" held from 26th -31st JULY 2021 organized by Department of Computer Science and Engineering in association with IEEE CS Chapter, TOCE, Bengaluru.

Dr. M. Nirmala
Program Coordinator

Dr. R. CH. A. Naidu
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Certificate of Participation

This is to certify that **Mr. Syed Firozuddin** of **The Oxford college of engineering** has participated in six days Faculty Development Programme on “**RECENT DEVELOPMENTS IN SOLAR ENERGY RECOVERY AND STORAGE TECHNOLOGIES**”, from **03.08.2020** to **08.08.2020**.

Dr N Arunkumar
HoD / Student Affairs

Dr S Arivazhagan
HoD / Lab Affairs

Dr. Vaddi Seshagiri Rao
Principal

Awareness workshop
NIRF INDIA RANKINGS - 2021
for Higher Educational Institutions

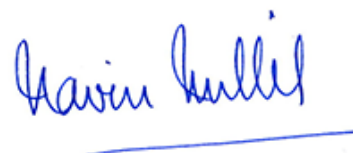
CERTIFICATE
— OF PARTICIPATION —

This is to certify that Prof./Dr./Mr./Ms. **Dr. M Kathiravan, Associate Professor, Department of MBA, The Oxford College of Engineering** has participated in the two day “**Awareness workshop - NIRF INDIA RANKINGS - 2021 for Higher Educational Institutions**” held on-line on 18th & 19th January 2021 by Institute for Academic Excellence in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana.



Director

Institute for Academic Excellence
Hyderabad



Commissioner

Collegiate Education & Technical Education
Department, Govt. of Telangana.



BMS Institute of Technology and Management

DEPARTMENT OF MCA



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5-day State-Level Online FDP on "Machine Learning"

In Association with Computer Society of India, Bengaluru

Certificate of Participation

This is to Certify that, Ms. Mridula Shukla of The Oxford College of Engineering has participated in 5-day State-Level online FDP on "Machine Learning (18MCA53)" as per MCA VTU syllabus, during the period 27th July to 31st July 2020, organized by the Department of MCA, BMSIT&M, Bengaluru.

Dr. Aparna K
FDP Coordinator & HoD

Dr. Mohan Babu G N
Principal



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mrs. Lavanya.B.S from The Oxford College of Engineering, Bangalore has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 27 September, 2021 to 1 October, 2021.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE



JSS MAHAVIDYAPEETHA
JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA
C - 20/1, Sector - 62, Noida, U.P. - 201309

DEPARTMENT OF MATHEMATICS

"E-Certificate of Participation"

*This is to certify that **Lavanya.B.S** of **TOCE Bangalore Karnataka** has successfully attended the **International Webinar** on **"Introduction to MATLAB"** organized by the **Department of Mathematics, JSSATE Noida** on **September 17, 2021**.*

Dr. B. Parashar
(Convener)
HoD, Mathematics

Dr. R. S. Jagadish
(Dean Academics)

Dr. G. M. Patil
(Chief Convener)
Principal