

CURRICULUM VITAE 2024-25

DR. R.N.UMA MAHESH

B.E in Electronics and Communication

M.Tech in VLSI Design and Embedded Systems

Ph.D. in Artificial Intelligence and Machine Learning (AI & ML)

Email Id: umamahesh.rn2018@vitalum.ac.in

umamaheshrnbgst@gmail.com

Mobile: - 7406573982

9686029666

Contact details

Email ID	Umamahesh.rn2018@vitalum.ac.in umamaheshrnbgst@gmail.com
Linkedin ID	https://www.linkedin.com/in/uma-mahesh-081386135/
Google Scholar ID	https://scholar.google.com/citations?user=C5nfsUgAAAAJ&hl=en
Orcid ID	https://orcid.org/0000-0002-5390-7699
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/370296
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=57315017300

OBJECTIVE

To give best out of me to the organization and improve my academic and research skills and also impart it to the organization.

1. ACADEMIC EXPERIENCE:

PERIOD	POSITION HELD	ORGANISATION	YEAR
01 .08. 2009 to 14.09.2010	LECTURER	B.G.S.POLYTECHNIC	1 YEAR
16.07.2012 to 30-12-2014	ASST.PROF	B.G.S.INSTITUTE OF TECHNOLOGY	2.5 YEAR
19-01-2015 To 31-05-2015	GUEST FACULTY	N.I.E.I.T INSTITUTE OF TECHNOLOGY	6 MONTHS
15-07-2015 To 14-12-2018	ASST.PROF	ATME COLLEGE OF ENGINEERING	3.5 YEAR
10-01-2019 To 06-02-2024	RESEARCH SCHOLAR	VELLORE INSTITUTE OF TECHNOLOGY CHENNAI	5 YEAR

12-02-2024 To Present	Associate Professor	ATME College of Engineering (CSE AI and ML)	1.4 months
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Teaching Experience: 8.5 years

Research Experience: 5 years

List of Subjects Taught

Sl.No	Subject Name
1	Digital Electronics
2	Basic Electrical Engineering
3	Semiconductor devices
4	Applied Mathematics-2
5	Analog Communication
6	VHDL Programming
7	Microcontroller
8	Arm controller
9	Logic design
10	Basic Electronics
11	Microprocessor
12	Network Analysis
13	Fundamentals of HDL
14	Digital System Design Using Verilog
15	Digital Signal Processing
16	Signals and Systems
17	Discrete Mathematical Structures
18	Computer Networks
19	Advanced AI and ML
20	Augmented Reality
21	Artificial Intelligence
22	Generative AI

SKILL PROFILE

Operating Systems	Windows,Ubuntu,Centos
Languages	Micro Controller,VHDL,Verilog,ARM Controller,VLSI Python, Machine Learning, Internet of Things, Deep Learning, Neural Networks
Tools	Keil, Ride, Cadence, Python, Anaconda, Octave, Matlab, Tensor Flow, Keras, Scikit learn

EDUCATIONAL QUALIFICATIONS

COURSE	BOARD	YEAR	COLLEGE	%GAINED
10TH	KARNATAK A STATE	2002-2003	MAHAJANA HIGH SCHOOL MYSORE.	79.68
PU	KARNATAK A STATE	2003-2005	MAHAJANA PU COLLEGE	70.23
B.E (E&C)	VISVESHWA RAIAH TECHNOLO GICAL UNIVERSIT Y(V.T.U) BELGAUM, KARNATAK A.	2005-2009	B.G.S.INSTITUTE OF TECHNOLOGY, BG.NAGAR	72
M.TECH (VLSI DESIGN AND EMBEDDED SYSTEMS)	VISVESHWA RAIAH TECHNOLO GICAL UNIVERSITY (V.T.U), BELGAUM, KARNATAK A.	2010-2012	B.G.S.INSTITUTE OF TECHNOLOGY, BG.NAGAR	82

Ph.D. (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	VELLORE INSTITUTE OF TECHNOLO GY (VIT), CHENNAI, TAMILNADU.	2019-2024	VELLORE INSTITUTE OF TECHNOLOGY (VIT), CHENNAI, TAMILNADU.	87.10
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PROJECT COMPLETED IN B.E (VTU, Belgaum)	
Title:	Embedded system power monitoring and optimization
Team Size:	4
Duration:	4 Months
Platform:	Windows
Role:	Development
Language used:	Microcontroller
Project Description:	This project is aimed to run tube light and fan by using sensors. Here mainly PIR sensor is used. It detects infrared radiations and runs the particular applications. Along with the PIR sensor, temperature sensor and light sensor is used.

PROJECT COMPLETED IN M.TECH (VTU, Belgaum)	
Title:	SYNTHESIS AND OPTIMIZATION OF 16-TAP FIR FILTER USING KAISER WINDOW ON FPGA
Team Size:	1
Duration:	4 Months
Platform	WINDOWS
Role:	Development
Language used:	VERILOG
Project Description:	This project is aimed to design the FIR Filter on FPGA.FIR Filter can also be designed using DSP and electronic circuits but DSP cannot process high frequency signals.Therefore FIR Filter was implemented on FPGA.

ACHIEVEMENTS:

1. I have scored **124 out of 125** in Sanskrit in SSLC Karnataka Board of Examination.
2. I have Scored **100 out of 100** in Engg. Mathematics in the 4th semester B.E.Degree Examination.
3. I have been **Topper** of M.Tech in First year at B.G.S.Institute of Technology.
4. I have Completed 13 NPTEL Online certification Courses from different IIT's.
5. I have Completed 11 Online Courses from Coursera certified by different foreign universities.
6. I have got **“BEST EDUCATIONIST AWARD FOR TALENTED PERSONALITIES”** from Acheviers Publishing House, New Delhi.
7. I got **FOUR SILVER MEDALS** in NPTEL Courses certified from different IIT's and **ONE GOLD MEDAL** in NPTEL Course in Introduction to Internet of Things.
8. I have Qualified UGC-NET Asst.Prof Lectureship Exam in DEC-2019.
9. I have received best research paper award in NIT Pondicherry.

ACADEMIC ACTIVITIES:

- 1) I have Attended Faculty Development Programme on **“PRINCIPLES OF PEDAGOGY FOR EFFECTIVE TEACHING INSTRUCTIONS DISSEMINATION”** in **SJCIT, CHICKBALLAPUR.**
- 2) I have Presented Paper on International Conference in Solapur at **BRAHMA DEVA DADA INSTITUTE OF TECHNOLOGY** on **“AN OPTIMIZED SOLAR TRAFFIC CONTROL AND ALERT SYSTEM USING WIRELESS SENSOR NETWORKS”.**
- 3) I have attended a Short term Course in **IIT KANPUR.** i.e on **MIMO-OFDM** in branch of electronics and communication.
- 4) I have Attended Faculty Development Programme on **“ANTENNA THEORY DESIGN AND ANALYSIS USING ESI'S CEM SOLUTION TOOL 2016”** in **GSSIETW, MYSORE.**

- 5) I have Attended Faculty Development Programme on “**GNU RADIO AND SOFTWARE DEFINED RADIO**” in **JSSATE BANGLORE**.
- 6) I have published journal in **IJRASET** on “**OPTIMIZED SOLAR TRAFFIC LIGHT CONTROL AND ALERT SYSTEM USING WIRELESS SENSOR NETWORKS**”.
- 7) I have published journal in **IJIRCCE** on “**DESIGN OF TRIPLE SWITCHING CLAMPING SEQUENCE FOR BCPWM TECHNIQUE USING SPACE VECTOR APPROACH**”.
- 8) I have Attended Faculty Development Programme on “**EMBEDDED PROGRAMMING AND APPLICATIONS USING AVR ATMEGA328**” organized by **DEPT OF ELECTRICAL AND ELECTRONICS ENGINEERING** in **ATMECE, MYSORE**.
- 9) I have Attended Faculty Development Programme on “**VLSI DESIGN USING CADENCE**” organized by **DEPT OF ELECTRONICS AND COMMUNICATION ENGINEERING** in **ATMECE, MYSORE**.
- 10) I have Attended Faculty Development Programme on “**RECENT TRENDS IN MICROWAVES AND ITS APPLICATIONS**” Organized by **DEPT OF ELECTRONICS AND COMMUNICATION ENGINEERING** in **ATMECE, MYSORE**.
- 11) I have Attended Faculty Development Programme on “**SIGNALS AND SYSTEMS AND IT’S TRANSFORM TECHNIQUES USING MATLAB**” in **NIT WARANGAL**.
- 12) I have Published Journal on “**DESIGN AND NOVEL APPROACH TOWARDS ADDERS AND SUBTRACTORS USING QUATERNARY LOGIC CIRCUITS**” in **IJIRCCE**.
- 13) I have Completed Short Term Course on “**Massive MIMO and Wireless Technologies for 5G Networks**”.

WORKSHOPS ATTENDED IN PH.D.

- 1) I also participated in Two days national workshop on “**Hands on Training on Artificial Neural Network using MATLAB**” in **VIT Chennai**.

2) I also participated in Five days Short term training program on “Deep Learning and CNN” in VIT Chennai.

3) I also participated in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "ARTIFICIAL INTELLIGENCE IN CONTEMPORARY BIOMEDICAL & HEALTHCARE APPLICATIONS:FUNDAMENTALS & HANDS ON MATLAB" from Gautam Buddha University, Greater Noida, U.P..

4) I also participated in AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "Machine Learning and Computer Vision" from Vignans Foundation for Science Technology and Research University.

5) I also participated in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Applied Machine Learning"_from Indian Institute of Technology (IIT) Ropar.

6) I also participated in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Techniques in VLSI Design" from M S Ramaiah Institute of Technology (MSRIT).

INTERNATIONAL CONFERENCE PROCEEDINGS

1) Uma Mahesh.R.N, “An Optimized Solar Traffic light control alert system using Wireless Sensor Networks”,ICAEST-16,BRAHMADEVADADA MANE INSTITUTE OF TECHNOLOGY, Solapur from 6th -7th FEB 2016.

IEEE CONFERENCE PROCEEDINGS : INDEXED IN SCOPUS

1) R. N. U. Mahesh, "An Analytical Approach for Three-Valued Multiplexer and Demultiplexers," *2018 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2018, pp. 82-84, doi: 10.1109/ICPECTS.2018.8521600.

2) R. N. Uma Mahesh and J. Sudeep, "Design and novel approach for ternary and quaternary. logic circuits," *2017 2nd International Conference for Convergence in Technology (I2CT)*, Mumbai, India, 2017, pp. 1224-1227, doi: 10.1109/I2CT.2017.8226322.

UGC APPROVED INTERNATIONAL JOURNAL PUBLICATIONS

- 1) Uma Mahesh.R.N, “Design and Novel Approach for Ternary Decoder and Encoder Circuits” IJIRCCE, Volume-5 Issue-6, PP-12221-12224, ISSN-2320-9801.
- 2) Uma Mahesh.R.N, “Design And Novel Approach Towards Adders And Subtractors Using Quaternary Logic Circuits” IJIRCCE, Volume-5 Issue-1, PP-84-85, ISSN: 2320-9801.
- 3) Uma Mahesh.R.N, “Design of Triple Switching Clamping Sequence for BCPWM Technique using Space Vector Approach”, IJIRCCE, Volume-4 Issue-5, PP-9172-9176, ISSN-2320-9801.
- 4) Uma Mahesh.R.N, “An Optimized Solar Traffic light control and alert system using Wireless Sensor Networks”, IJRASET, Volume-4 Issue-2 PP-172-175, ISSN: 2321-9653.

INTERNATIONAL CONFERENCE PROCEEDINGS IN PH.D.

- 1) Uma Mahesh, R.N., Lokesh Reddy, B., Nelleri, A. (2022). Deep Learning-Based Multi-class 3D Objects Classification Using Digital Holographic Complex Images. In: Sivasubramanian, A., Shastry, P.N., Hong, P.C. (eds) Futuristic Communication and Network Technologies. VICFCNT 2020. Lecture Notes in Electrical Engineering, vol 792. Springer, Singapore. https://doi.org/10.1007/978-981-16-4625-6_43
- 2) Uma Mahesh R N, Anith Nelleri, “Multi-Class objects classification by means of digital holograms classification using Visual Geometry Group (VGG) Network”, FOP-21 OSI Symposium, Indian Institute of Technology (IIT) Delhi, Delhi.
- 3) Mahesh, R.N.U., Nelleri, A. (2023). Machine Learning-Based Binary Regression Task of 3D Objects in Digital Holography. In: Subhashini, N., Ezra, M.A.G., Liaw, SK. (eds) Futuristic Communication and Network Technologies. VICFCNT 2021. Lecture Notes in Electrical Engineering, vol 995. Springer, Singapore. https://doi.org/10.1007/978-981-19-9748-8_34
- 4) Uma Mahesh R N, Arya Jayan, and Anith Nelleri “A Deep Learning Approach For Volume Image Segmentation in Digital Holography”, School of Electronics Engineering, Vellore Institute of Technology, Chennai, Tamilnadu, India – 60012 (Presented in International Conference on Optics, Photonics, and Quantum Information, OPTIQ-2023, CUSAT Ernakulam).

SPRINGER BOOK CHAPTER LECTURE NOTES IN ELECTRICAL ENGINEERING (LNEE) IN PH.D

- 1) Uma Mahesh, R.N., Lokesh Reddy, B., Nelleri, A. (2022). Deep Learning-Based Multi-class 3D Objects Classification Using Digital Holographic Complex Images. In: Sivasubramanian, A., Shastry, P.N., Hong, P.C. (eds) Futuristic Communication and Network Technologies. VICFCNT 2020. Lecture Notes in Electrical Engineering, vol 792. Springer, Singapore. https://doi.org/10.1007/978-981-16-4625-6_43
- 2) Mahesh, R.N.U., Nelleri, A. (2023). Machine Learning-Based Binary Regression Task of 3D Objects in Digital Holography. In: Subhashini, N., Ezra, M.A.G., Liaw, SK. (eds) Futuristic Communication and Network Technologies. VICFCNT 2021. Lecture Notes in Electrical Engineering, vol 995. Springer, Singapore. https://doi.org/10.1007/978-981-19-9748-8_34

PEER REVIEWED INTERNATIONAL SCI AND OTHER JOURNALS PUBLISHED / UNDER REVIEW DURING PH.D.

- 1) B. Lokesh Reddy, R N Uma Mahesh & Anith Nelleri (2022) Deep convolutional neural network for three-dimensional objects classification using off-axis digital Fresnel holography, Journal of Modern Optics, 69:13, 705-717, DOI: [10.1080/09500340.2022.2081371](https://doi.org/10.1080/09500340.2022.2081371). SCI – 1.46
- 2) Mahesh, R.N.U., Nelleri, A. Deep convolutional neural network for binary regression of three-dimensional objects using information retrieved from digital Fresnel holograms. *Appl. Phys. B* **128**, 157 (2022). <https://doi.org/10.1007/s00340-022-07877-w>. SCI-2.17
- 3) Mahesh R N U, Nelleri A. Multi-Class Classification and Multi-Output Regression of Three-Dimensional Objects Using Artificial Intelligence Applied to Digital Holographic Information. *Sensors*. 2023; 23(3):1095. <https://doi.org/10.3390/s23031095>. SCI-3.84
- 4) Uma Mahesh R N and Anith Nelleri (2022), “Three-dimensional (3-D) objects classification and regression using deep learning and machine learning algorithms applied

to complex object wave information retrieved from digital holograms”, *Asian Journal of Physics*, 31 (11-12), pp. 1085-1094. (Special Issue - non-Scopus).

5) Uma Mahesh R N and Anith Nelleri “Deep learning performances of Alex and VGG neural networks in three-dimensional (3D) objects classification using phase only digital holographic information”, - (Manuscript under review)

6) Uma Mahesh R N and Anith Nelleri “Phase Unwrapping in Deep learning”, - (Manuscript under review)

LIST OF NPTEL CERTIFIED COURSES

Sl.No	Course Name	Percentage	Status and Performance
1	Probability and Random Variables/Processes for Wireless Communications	47	Pass
2	Estimations for Wireless Communications: MIMO-OFDM Cellular and Sensor	78	Elite
3	Principles of Signals and Systems	63	Elite
4	Introduction to Machine Learning	83	Elite + Silver
5	Introduction to Internet of Things	93	Elite + Gold
6	Practical Machine Learning with TensorFlow	83	Pass
7	Deep Learning	96	Pass
8	Applied Optimization for Wireless, Machine Learning, Big Data	85	Elite + Silver
9	Deep Learning for Visual Computing	73	Elite
10	Essentials of Data Science with R-Software 1 : Probability and Statistical Inference	75	Elite + Silver
11	Essentials of Data Science with R-Software 2 : Sampling Theory and Linear Regression	78	Elite + Silver
12	Pattern Recognition and Application	64	Elite
13	Python for Data Science	62	Elite

LIST OF COURSERA COURSES

Sl.No	Course Name	University	Percentage
1	Programming for Everybody (Getting started with Python)	Michigan	96.5%
2	Python Data Structures	Michigan	96.8%
3	Using Python to Access Web data	Michigan	96.8%
4	Applied Machine Learning in Python	Michigan	89.0%
5	Machine learning	Stanford	94.9%

6	Introduction to TensorFlow For Artificial Intelligence, Machine Learning, and Deep Learning	Stanford	99.3%
7	Convolutional Neural Networks in TensorFlow	Stanford	100.0%
8	Natural Language Processing in TensorFlow	Stanford	96.8%
9	Getting Started with SAS Programming	-	88.25%
10	Build Basic Generative Adversarial Networks	-	100.0%
11	Build Better Generative Adversarial Networks	-	100.0%

OTHER ROLES AND RESPONSIBILITIES

Test-Coordinator, Cultural Co-ordinator, ERP-Co-Coordinator, Hackathon Co-ordinator
Placement Co-ordinator, Seminar Co-ordinator, Guest Lecturer and Technical Talk Co-ordinator, Class Teacher, Lab Incharge, Dc and Late Coming Report.

MEMBERSHIPS OF PROFESSIONAL BODIES

Sl. No.	Name & Address of Organization / Institution	Date & Year of Registration	Membership Number
1)	ISTE	JAN-1-2017	LM115796
2)	OSA	JAN-1-2019	1662501

PERSONAL INTERESTS

- 1 Participated in skits. (AIT College of engg, Chikamangluru.)
- 2 Participated in blood donation camp organized in ATME College of Engineering and Red Cross committee.

CERTIFICATES OBTAINED FROM COURSERA



COURSE
CERTIFICATE

06/27/2019

R N UMA MAHESH

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of Michigan and offered through Coursera

Charles Severance
Clinical Associate Professor, School of Information
University of Michigan



Verify at coursera.org/verify/TV0S8VTF6jWS
Coursera has confirmed the identity of this individual and their participation in the course.



COURSE
CERTIFICATE

06/11/2019

R N UMA MAHESH

has successfully completed

Python Data Structures

an online non-credit course authorized by University of Michigan and offered through Coursera

Charles Severance
Clinical Associate Professor, School of Information
University of Michigan



Verify at coursera.org/verify/GV4YVC48CXEL
Coursera has confirmed the identity of this individual and their participation in the course.



COURSE
CERTIFICATE

06/19/2019

R N UMA MAHESH

has successfully completed

Using Python to Access Web Data

an online non-credit course authorized by University of Michigan and offered through
Coursera

Charles Severance
Clinical Associate Professor, School of Information
University of Michigan



Verify at coursera.org/verify/AsqgVEJYKUZR
Coursera has confirmed the identity of this individual and
their participation in the course.



COURSE
CERTIFICATE

07/06/2019

R N UMA MAHESH

has successfully completed

Applied Machine Learning in Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

Katelyn Thompson
Associate Professor
School of Information



Verify at coursera.org/verify/PQHPIx9VQEh6
Coursera has confirmed the identity of this individual and
their participation in the course.

Stanford | ONLINE

01/31/2020

R N UMA MAHESH

has successfully completed

Machine Learning

an online non-credit course authorized by Stanford University and offered through Coursera



Associate Professor Andrew Ng
Computer Science Department
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

Verify at coursera.org/verify/AZEF1FFX72F
Coursera has confirmed the identity of this individual and their participation in the course.

COURSE
CERTIFICATE



 deeplearning.ai

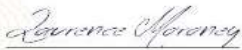
06/16/2020

R N UMA MAHESH

has successfully completed

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/BDVYWUN15MSQ
Coursera has confirmed the identity of this individual and their participation in the course.

COURSE
CERTIFICATE





COURSE
CERTIFICATE

06/18/2020

R N UMA MAHESH

has successfully completed

Convolutional Neural Networks in TensorFlow

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/YP2sa8ZYWwWW
Coursera has confirmed the identity of this individual and their participation in the course.



COURSE
CERTIFICATE

07/10/2020

R N UMA MAHESH

has successfully completed

Natural Language Processing in TensorFlow

an online non-credit course authorized by deeplearning.ai and offered through Coursera



Laurence Moroney

Laurence Moroney
Staff AI Advocate
Google Brain

Verify at coursera.org/verify/2GLBGLLDKGHF
Coursera has confirmed the identity of this individual and their participation in the course.



May 4, 2021

R N UMA MAHESH

has successfully completed

Getting Started with SAS Programming

an online non-credit course authorized by SAS and offered through Coursera

Stacy Lyndon
Senior Manager, Education
SAS

COURSE
CERTIFICATE



Verify at coursera.org/verify/WJ-6QJWADGX
This certificate is valid for 200 days after all the individual course grades are published in the course log.



July 6, 2021

R N UMA MAHESH

has successfully completed

Build Basic Generative Adversarial Networks (GANs)

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

Matthew Zhao
Co-founder, DeepLearning.AI
Executive Director, DeepLearning.AI
The Alibaba Corporation, DeepLearning.AI

COURSE
CERTIFICATE



Verify at: <https://coursera.org/verify/632YLD-W23AC2>
This certificate is valid for 200 days after all the individual course grades are published in the course log.



AUG 10, 2022

R N UMA MAHESH

has successfully completed

**Build Better Generative Adversarial Networks
(GANs)**

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in black ink, appearing to read "Shantanu Jain".

Shantanu Jain, Course Instructor, DeepLearning.AI
Sohi Bharti, Course Developer, DeepLearning.AI
Sohi Bharti, Course Developer, DeepLearning.AI


COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/0181K502Y102>

Coursera has verified the identity of the individual(s) and the
participation in the course.

LIST OF NPTEL CERTIFICATES



Roll No: NPTEL17EE0826550046FN

To
R N UMA MAHESH
 DOOR NO.459,7TH CROSS,HEBBAL 2ND
 STAGE,NEAR CITY CHOUSTRY
 MYSORE
 KARNATAKA
 570016
 PIN NO :7406573982


Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the Course
<40	No Certificate

Number of credits recommended by NPTEL: 1



NPTEL Online Certification

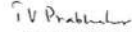
(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
R N UMA MAHESH
 for successfully completing the course
Probability and Random Variables/ Processes for Wireless Communications
 with a consolidated score of **47 %**


Online Assignments	70	Proctored Exam	39
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Total number of candidates certified: 133


 Prof. T. V. Prabhakar
 Chairman
 Centre for Continuing Education, IITK

Jan-Feb 2017
 (4 week course)


 Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL 17EE0826550046FN
To validate and check scores: <http://npTEL.ac.in/noc>



Roll No: NPTEL17EE1951550015

To
R N UMA MAHESH
 DOOR NO.459,7TH CROSS,HEBBAL 2ND STAGE NEAR
 CITY CHOUSTRY, MYSORE
 KARNATAKA
 570016
 PIN NO :7406573982

Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the Course
<40	No Certificate

No. of credits recommended by NPTEL: 2



NPTEL Online Certification

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



This certificate is awarded to
R N UMA MAHESH
 for successfully completing the course
Estimation For Wireless Communications: MIMO-OFDM Cellular And Sensor Networks
 with a consolidated score of **78 %**

Online Assignments	21.25/25	Proctored Exam	56.25/75
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Total number of candidates certified in this course: 86


 Prof. T. V. Prabhakar
 Chairman
 Centre for Continuing Education, IITK

Jul-Sep 2017
 (8 week course)


 Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL 17EE1951550015
To validate and check scores: <http://npTEL.ac.in/noc>



Roll No: NPTEL18EE0254640082

To
R N UMA MAHESH
 ROOM NO.495, 3TH CROSS,HEBBAL,2ND
 STAGE,NEAR CIVIL COLLEGE,RVCSURB
 MYSORE
 KARNATAKA
 575016
 PH.NO.:7406573082

Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate



No. of credits recommended by NPTEL: 3



Elite

NPTEL Online Certification

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



This certificate is awarded to
R N UMA MAHESH
 for successfully completing the course
Principles of Signals and Systems
 with a consolidated score of **63 %**

Online Assignments **19.75/25**

Proctored Exam **43.5/75**

Total number of candidates certified in this course: **1637**



Prof. T. V. Prabhakar
 Chairman
 Center for Continuing Education, IITK

Jan-Apr 2018
 (12 week course)



Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL18EE0254640082 To validate and check scores: <http://npTEL.ac.in/roC>



Roll No: NPTEL19CS52511181438

To
UMA MAHESH R N
 ROOM NO.482,HOSTEL C BLOCK VIT
 CHENNAI(VANDULAI-KELLAMBAKKAM ROAD
 CHENNAI
 CHENNAI
 TAMIL NADU
 600127
 PH.NO.:7406573082

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: 2
An additional 1 credit may be awarded if the University deems 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
UMA MAHESH R N
 for successfully completing the course
Introduction to Machine Learning

Online Assignments **24.17/25**

Proctored Exam **58.59/75**

Total number of candidates certified in this course: **1976**



Prof. Adrijit Goswami
 Dean, Continuing Education & NPTEL, Coordinator
 IIT Kharagpur

Jul-Sep 2019
 (8 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS52511181438 To validate and check scores: <https://npTEL.ac.in/roC>

Roll No: NPTEL19CS65551210848

TO: UMA MAHESH R N
ROOM NO:452, HOSTEL C BLOCK VIT
CHENNAI(VANDULAR-KELAMBAKAM ROAD
CHENNAI)
TAMIL NADU
600127
PH. NO: 7466573983



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
UMA MAHESH R N
for successfully completing the course:
Introduction to Internet of Things

with a consolidated score of **93** %

Online Assignments **24.13/25** Proctored Exam **69/75**

Total number of candidates certified in this course: **7675**

A. Goswami

Prof. Adrijit Goswami
Dean, Center for Data Science & NPTEL, Coordinator
IT College

Jul-Oct 2019
(12 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL19CS65551210848

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

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/noe/>

Roll No: NPTEL20CS4451720834

TO: UMA MAHESH R N
ROOM NO:452, HOSTEL C BLOCK VIT
CHENNAI(VANDULAR-KELAMBAKAM ROAD
CHENNAI)
TAMIL NADU
600127
PH. NO: 7466573983



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.



NPTEL Online Certification

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



This certificate is awarded to
UMA MAHESH R N
for passing the course:
Practical Machine Learning with Tensorflow

with Score* **83** %

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

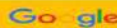
Jan-Mar 2020
(8 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



*Continuous online assessment score

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

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: NPTEL20C51151115042

To: UMA MAHESH R N
ROOM NO: 201, NPTEL C BLOCK VIT
VIT-VELLURU CAMPUS, VIT-VELLURU ROAD,
VIT VELLORE
VIT VELLORE-560012
PH. NO: 7406573952



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.



NPTEL Online Certification

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



This certificate is awarded to
UMA MAHESH R N
for passing the course
Deep Learning
with Score* **96** %



A. Goswami
Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL, Coordinator
IIT Kharagpur

Jan-Apr 2020
(12 week course)



Indian Institute of Technology Kharagpur



*Continuous online assessment score

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

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: NPTEL20EE59552000152

To: UMA MAHESH R N
#400 4TH CROSS HEBBAL 2ND STAGE NEAR
CITE CHOLTRY
MYSORE-570017
MYSORE
KARNATAKA - 570017
PH. NO: 7406573952



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
UMA MAHESH R N
for successfully completing the course
**Applied Optimization for
Wireless, Machine Learning, Big Data**
with a consolidated score of **85** %



Online Assignments **20.94/25** Proctored Exam **64.5/75**

Total number of candidates certified in this course: 153

Rajesh M. Hegde
Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Sep-Dec 2020
(12 week course)

Satyaki Roy
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL20EE59552000152

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

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: NPTEL20EE74572000141
 TO: UMA MAHESH R N
 #398, 4TH CROSS
 HERBAL 2ND STAGE, NEAR CITY CHOULTRY
 HERBAL
 KARNATAKA - 570017
 PH. NO: 7400073982

Score	Type of Certificate
>=90	Elite+Gold
76-89	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
UMA MAHESH R N
 for successfully completing the course
Deep Learning for Visual Computing
 with a consolidated score of **73** %


Online Assignments	18.91/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **47**



 Prof. G P Raja Sekhar
 Dean, Continuing Education
 IIT Kharagpur

Sep-Dec 2020
 (12 week course)


 Prof. Debjani Chakraborty
 Professor, NPTEL
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20EE74572000141 To validate and check scores: <https://nptel.ac.in/noc/>

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: NPTEL21MA35514040064
 TO: UMA MAHESH R N
 #498, 4TH CROSS
 HERBAL 2ND STAGE, NEAR CITY CHOULTRY
 HERBAL
 KARNATAKA - 570017
 PH. NO: 7400073982

Score	Type of Certificate
>=90	Elite+Gold
76-89	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
UMA MAHESH R N
 for successfully completing the course
**Essentials of Data Science With R Software - 1:
 Probability and Statistical Inference**
 with a consolidated score of **75** %


Online Assignments	21.63/25	Proctored Exam	53.25/75
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Total number of candidates certified in this course: **156**



 Prof. Rajesh M Hegde
 Chairman, Centre for Continuing Education
 IIT Kanpur

Jan-Apr 2021
 (12 week course)


 Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL21MA35514040064 To validate and check scores: <https://nptel.ac.in/noc/>

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: NPTEL21MA36S24040108
To: UMA MAHESH R N
#890, 4TH CROSS
HEBBAL 2ND STAGE, NEAR CITB CHOULTRY
HEBBAL
KARNATAKA - 570017
PH. NO :7406573982



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
UMA MAHESH R N
for successfully completing the course
**Essentials of Data Science With R Software - 2: Sampling
Theory and Linear Regression Analysis**

with a consolidated score of **78** %

Online Assignments **23.41/25** Proctored Exam **54.75/75**

Total number of candidates certified in this course: 101

Prof. Rajesh M. Hegde
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2021
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL21MA36S24040108

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

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: NPTEL21EE79S13351393
To: UMA MAHESH R N
#890, 4TH CROSS
HEBBAL 2ND STAGE, NEAR CITB CHOULTRY
HEBBAL
KARNATAKA - 570017
PH. NO :7406573982



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.



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



This certificate is awarded to
UMA MAHESH R N
for successfully completing the course
Pattern Recognition and Application

with a consolidated score of **64** %

Online Assignments **19.06/25** Proctored Exam **45/75**

Total number of candidates certified in this course: 55

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jul-Oct 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21EE79S13351393

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

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

Roll No: NPTEL22CS32533313131

To: UMA MAHESH R N
#490, 4TH CROSS
HEBBAL 2ND STAGE, NEAR CITE CHOULTRY
HEBBAL
KARNATAKA - 570017
PH. NO: 7406573982

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
UMA MAHESH R N
for successfully completing the course
Python for Data Science
with a consolidated score of **62** %

Online Assignments	20/25	Programming Exam	15/25	Proctored Exam	26.84/50
Total number of candidates certified in this course: 3390					

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Feb 2022
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL22CS32533313131 To validate and check scores: <https://npTEL.ac.in/noc>

PERSONAL PROFILE

Father's Name:	Late R.S.NATRAJ
Mother's Name:	Late R.N.BHARATHI
Date Of Birth:	24-02-1988
Languages:	English, Telugu, Kannada, Hindi, Tamil.
Contact No:	7406573982 9686029666
Hobbies:	Listening to music, browsing net, playing cricket, Singing.
Address for Communication:	UMA MAHESH.R.N S/o Late R.S.NATRAJ Door.No.490,4th cross, HEBBAL 2nd stage, MYSORE. E-mail Id : umamahesh.rn2018@vitalum.ac.in umamaheshrnbsit@gmail.com

I would be glad to provide any other information required by you. Thank you for your kind attention for walking through my resume.

Yours Faithfully,
UMA MAHESH.R.N