



Jun 22, 2020

Keerti Giridharan

has successfully completed

AI For Everyone

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

A handwritten signature in blue ink, reading 'Andrew Ng'.

Andrew Ng  
Founder, DeepLearning.AI  
Co-founder, Coursera

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/8WV5H8MY97DG](https://coursera.org/verify/8WV5H8MY97DG)

Coursera has confirmed the identity of this individual and their participation in the course.



Aug 23, 2020

**Keerti Giridharan**

has successfully completed

**Interfacing with the Arduino**

an online non-credit course authorized by University of California, Irvine and offered through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a thin horizontal line.

Ian Harris  
Professor  
Department of Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/8N3XDX4NC992](https://coursera.org/verify/8N3XDX4NC992)

Coursera has confirmed the identity of this individual and their participation in the course.



Sep 6, 2020

Keerti Giridharan

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/J8L64UL56Y7W](https://coursera.org/verify/J8L64UL56Y7W)

Coursera has confirmed the identity of this individual and their participation in the course.



The State University  
of New York

Jun 27, 2021

**Keerti Giridharan**

has successfully completed

**Solar Energy Basics**

an online non-credit course authorized by The State University of New York and offered  
through Coursera

*Neal Abrams*

Neal Abrams  
Associate Professor

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/8JBU3MBLEXU5](https://coursera.org/verify/8JBU3MBLEXU5)

Coursera has confirmed the identity of this individual and their  
participation in the course.

# CERTIFICATE OF COMPLETION

**SHAPEAI**

This is Presented to

**KEERTI. G**

for completing 7-day Javascript & Backend with Node JS  
bootcamp with ShapeAI

**SHAPEAI**



**SHAURYA SINHA**  
CO FOUNDER

Scan the QR code to verify



or visit: <https://cert.shapeai.tech/verify/RKxNu>

# SUBHASH PROGRAMMING CLASSES

CODING BEYOND CURRICULUM

## CERTIFICATE OF COMPLETION



THIS IS AWARDED TO

Keerti. G

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FOR SUCCESSFULLY COMPLETING THE  
COURSE ON 'C PROGRAMMING'.

A white handwritten signature on a dark background, consisting of stylized letters and a long horizontal stroke.

**SUBHASH K U**  
PRINCIPAL MENTOR

ISSUED ON:

23 August 2020

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# **SATHYABAMA**

**INSTITUTE OF SCIENCE AND TECHNOLOGY**  
(DEEMED TO BE UNIVERSITY)



## **Department of Electronics and Communication Engineering**

### **Certificate of Participation**

**This is to certify that**

**Keerti. G**

**from SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY has participated in a Short Term Course on "Machine Learning Applications in VLSI Technology" from 08.08.2021 to 17.09.2021.**

A handwritten signature in black ink, appearing to be 'Dr. T. Ravi'.

**Dr.T Ravi**  
HOD/ECE

A handwritten signature in black ink, appearing to be 'Dr. N. M. Nandhitha'.

**Dr.N M Nandhitha**  
Dean/School of EE



# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)



## SCHOOL OF COMPUTING

DEPARTMENT OF INFORMATION TECHNOLOGY

**CERTIFICATE OF PARTICIPATION**

This is to certify that **Keerti. G** has participated in the Webinar Entitled **User Interface Design** held on June 24, 2020 through Online Pedagogy.

Dr. Sasikala  
Professor & Dean,  
School of Computing

**NPTEL****National Programme on Technology  
Enhanced Learning****Hall Ticket For****Sensors and Actuators - Online****NPTEL**

|                     |                                                                  |                               |          |                 |    |  |
|---------------------|------------------------------------------------------------------|-------------------------------|----------|-----------------|----|--|
| Candidate Name      | Keerti G                                                         |                               |          |                 |    |  |
| Roll No             | NOC21EE32S23351124                                               |                               |          |                 |    |  |
| Date of Birth       | 10-10-2001                                                       |                               |          |                 |    |  |
| PwD Status          | No                                                               | Compensatory<br>Time Required | No       | Scribe Required | No |  |
| Exam Date           | August 22, 2021                                                  |                               |          |                 |    |  |
| Reporting Time      | 01:00 pm                                                         | Gate Closure                  | 02.30 pm |                 |    |  |
| Exam Timing         | 02:00 pm                                                         | Shift                         | AN       |                 |    |  |
| Test Centre Name    | Saveetha Engineering College                                     |                               |          |                 |    |  |
| Test Centre Address | Saveetha Nagar, Thandalam, , Chennai, Tamil Nadu, India - 602105 |                               |          |                 |    |  |

NPTEL Coordinator

**NPTEL EXAM - AUGUST 22, 2021**  
**General instructions for candidates - AN**  
(All timings mentioned here are in IST)

1. The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar-ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
2. This Hall Ticket is valid only if the candidate's photograph and signature images are legible. To ensure this, print the Hall Ticket on A4 sized paper using a laser printer, preferably a colour photo printer.
3. Please report to the examination venue by 01:00 pm; CANDIDATES WILL NOT BE ALLOWED TO ENTER THE EXAMINATION HALL AFTER 02.30 pm.
4. Candidates will be permitted to appear for the examination ONLY after their credentials are verified by center officials.
5. At 01:40 pm – Candidates will be permitted to occupy their allotted seats.
6. At 01:50 pm – Candidates can login and start reading instructions prior to the examination.

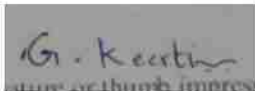
**P.T.O.**

7. Candidates are advised to locate the examination center at least a day prior to the examination, so that they can reach the center on time for the examination.
8. The total duration of the examination is 180 minutes. Candidates will be permitted to leave the examination hall only after 03:30 pm, on a need basis.
9. **PERMITTED:** You may bring vehicle keys inside the exam hall.
10. **NOT PERMITTED:** Analog/Smart/digital/programmable watches, wallets, mobile phones, bluetooth devices, microphones, pagers, health bands or any other electronic gadgets, any printed/blank/handwritten paper, log tables, writing pads, scales, geometry/pencil-boxes, pouches, calculators, pen drives, electronic pens, handbags, goggles or similar such items are **NOT** allowed inside the examination centre. There may not be any facility for safekeeping of these devices outside the examination hall; it will be prudent not to bring valuables to the examination center. We suggest that you bring a bag to keep routine belongings outside the exam hall. Neither NPTEL nor the exam provider takes responsibility for the bag and the belongings. You may keep at your own risk.
11. **NOT PERMITTED:** Please **DO NOT** bring any type of calculator for use in the exam. On-screen calculator will be available during the exam. Candidates are advised to familiarize themselves with this virtual Scientific calculator well ahead of the exam. Link: <https://www.tcsion.com/OnlineAssessment/ScientificCalculator/Calculator.html>
12. A4 sheets will be provided to candidates for rough work. Candidates have to write their name and registration number on the A4 Sheets before they start using it. The A4 sheets must be returned to the invigilator at the end of the examination.
13. You should bring your own pen/pencil; it would not be given at the examination centre. Candidates **MUST** wear their own facemask and maintain social distancing during the exam. Candidates are allowed to bring sanitizer in a small transparent bottle. You are strongly advised to carry your own drinking water in a transparent bottle. Candidates without facemasks will not be allowed into the exam hall.
14. **MANDATORY - HALL TICKETS HAVE TO BE RETURNED TO THE INVIGILATOR BEFORE LEAVING THE EXAM HALL. NO PAPER CAN BE TAKEN OUT OF THE EXAM HALL.**
15. **IMPORTANT:** Basic code of conduct during the exam should be followed, failing which, NPTEL reserves the right to take appropriate action.
16. It is mandatory that you press the SUBMIT button on the computer after you have completed the exam.
17. **German Course Exam** - Please bring your own wired earphones/headset (3.5mm Jack ) for answering audio type questions during the exam. Earphones/Headsets will not be provided at the exam centre. The CPU will be kept on the floor in the exam room. So, ensure that the chord is sufficiently long enough to connect to the headphone jack in the CPU.

## COVID 19 Instructions

18. All candidates within the setting are requested to bring their own face masks and are instructed to wear face masks at all times.
19. All candidates will have their temperature taken on arrival at the centre. If the temperature is detected at or above 37.3 degrees candidates will not be given access to the exam centre.
20. All candidates will be expected to bring their own water bottles.
21. Candidates will not be permitted to carry any food items in the exam centre.
22. Candidates are requested to maintain a 2-metre distance while at the centre.

**I hereby acknowledge that I have read, understood and agree to follow the above mentioned instructions.**

  
Signature of the Candidate

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: NPTEL21EE32S23351124

To  
KEERTI G  
G4, SAKTHI GARDENS PHASE 2,  
100 FEET ROAD, SELAIYUR  
CHENNAI  
TAMILNADU - 600073  
PH. NO :9790732400



| Score     | Type of Certificate    |
|-----------|------------------------|
| $\geq 90$ | Elite+Gold             |
| 75-89     | Elite+Silver           |
| $\geq 60$ | 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

**KEERTI G**

for successfully completing the course

**Sensors and Actuators**

with a consolidated score of **75** %

|                    |          |                |         |
|--------------------|----------|----------------|---------|
| Online Assignments | 21.56/25 | Proctored Exam | 53.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: 237

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

Jan-Apr 2021  
(12 week course)

Prof. L. Umanand  
NPTEL Coordinator  
IISc Bangalore



Indian Institute of Science Bangalore





VATIO®



# Certificate

## OF INDUSTRY INTERNSHIP

This is to certify that

**G.KEERTI**

Studying **3rd Year,B.E, ECE** in **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY**

has successfully completed the Industry Internship Programme at VATIO Energy India Pvt Ltd, Chennai  
through Online from 21<sup>st</sup> July to 05<sup>th</sup> August 2021 in the area of

**"Solar Photovoltaic system & its Design Practices"**

Best wishes from VATIO Energy for future endeavors !



G.Rajaganesan, Director - Technical  
VATIO Energy India Pvt.Ltd.



05<sup>th</sup> August 2021

Date

**NPTEL****National Programme on Technology  
Enhanced Learning****NPTEL****Hall Ticket For**

Multi Core Computer Architecture Storage and Interconnects - online

|                       |                                                                                                                                                                     |                               |          |                 |    |  |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------|-----------------|----|--|
| Candidate Name        | Keerti G                                                                                                                                                            |                               |          |                 |    |  |
| Roll No               | NOC21CS82S23352383                                                                                                                                                  |                               |          |                 |    |  |
| Date of Birth         | 10-10-2001                                                                                                                                                          |                               |          |                 |    |  |
| PwD Status            | No                                                                                                                                                                  | Compensatory<br>Time Required | No       | Scribe Required | No |  |
| Exam Date             | October 23, 2021                                                                                                                                                    |                               |          |                 |    |  |
| Reporting Time        | 01:00 pm                                                                                                                                                            | Gate Closure                  | 02.30 pm |                 |    |  |
| Exam Timing           | 02:00 pm                                                                                                                                                            | Shift                         | AN       |                 |    |  |
| Test Centre Name      | iON Digital Zone iDZ Kovilambakkam                                                                                                                                  |                               |          |                 |    |  |
| Test Centre Address   | Fortune Towers, 1st and 2nd Floor, SH 109, 200 Feet Thoraipakkam Pallavaram Radial Road, Near Eachangadu signal, Kovilambakkam, Chennai, Tamil Nadu, India - 600117 |                               |          |                 |    |  |
| <br>NPTEL Coordinator |                                                                                                                                                                     |                               |          |                 |    |  |

**NPTEL EXAM - OCTOBER 23, 2021**  
**General instructions for candidates - AN**  
 (All timings mentioned here are in IST)

**AT THE EXAM CENTRE, IF YOU ENCOUNTER ANY ISSUES WITH RESPECT TO THE COMPUTER OR EXAM OFFICIALS, KINDLY CONTACT THE IIT MADRAS EXAM REPRESENTATIVE, WHO WILL BE AVAILABLE AT THE CENTRE.**

1. The Hall Ticket must be presented for verification along with one original photo identification (not photocopy or scanned copy). Examples of acceptable photo identification documents are School ID, College ID, Employee ID, Driving License, Passport, PAN card, Voter ID, Aadhaar-ID. Printed copy of the hall ticket and original photo id card should be brought to the exam centre. Hall ticket and id card copies on the phone will not be permitted.
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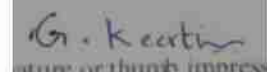
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## **COVID 19 Instructions**

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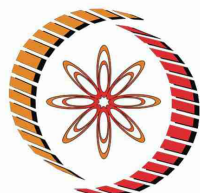
To  
KEERTI G  
G4, SAKTHI GARDENS PHASE 2,  
100 FEET ROAD, SELAIYUR  
CHENNAI  
TAMILNADU - 600073  
PH. NO :9790732400



| 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 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

**KEERTI G**

for successfully completing the course

**Multi-Core Computer Architecture - Storage and Interconnects**

with a consolidated score of **60** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 13.75/25 | Proctored Exam | 46/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **209**

Aug-Oct 2021  
(8 week course)

**Prof. Hemant B Kaushik**  
Head, Center for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No:NPTEL21CS82S23352383

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