



1.2.1 .Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Findings of DVV

Remark: [VACs of same nature/ingredient offered more than once in the AYs have been merged as one. VACs with duration less than 30 hours, such as

i. Mobile Application Development

ii. Statistical Tool -R Programming needs to be excluded, HEI is requested to revise the figures],

HEI needs to provide the certificates of students, who have completed, along with the syllabus, highlighting the duration, the following VACs in AY2022-23:

i. Cloud Computing

ii. Problem Solving through Programming in C

iii. VLSI Design Flow: RTL to GDS

iv. Introduction to Internet of Things

v. Embedded System Design

vi. The Joy of Computing Using Python

vii. Machine Learning

viii. Developing Soft Skills and Personality


01/03/2024

Principal

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Bangalore - 560 074

Clarifications regarding the following VACs conducted during AY2022-23:

i. Mobile Application Development

The Program was conducted by the department of Computer science and engineering during 2nd to 8th June 2023. The syllabus was framed to help students improve their applications and implementation skills. The program was beneficial for the students and they were trained to develop application. The program was conducted all the five days from 8.30am to 5.30pm according to the syllabus framed.

The students were made to work on sample application programs and were made to get benefited by the program to its fullest, also to gain the knowledge beyond the academic curriculum.

The program was successfully completed with duration of 5 days by covering the syllabus framed as per the program specification. At the end of the course the certificates were issued to all the participants.

The certificates of top ten students who have completed, along with the syllabus, highlighting the duration, of the above-mentioned value added course is attached as a supporting document.


ii. Statistical Tool -R Programming

The Program was conducted by the department of Computer science and engineering during 25th to 29th July. The Statistical Tool -R Programming was a ability enhancement course conducted to improve knowledge towards statistical tools. The syllabus was framed to learn to develop skills in analysis of tools using programming. The students were benefited by the program also they were trained to develop programming skills. The program was conducted all the five days from 8.30am to 5.30pm according to the syllabus framed.

Students were required to work on different kinds of programs in order to get skill from R-programming and to acquire expertise outside of the classroom.

The program was successfully completed in 5 days by covering the syllabus framed according to the program specification. At the end of the course the certificates were issued to all the participants.

The supporting document contains the certificates of the top ten students who have completed the value-added course, as well as the syllabus, that highlights the duration.


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Bangalore - 560 074



Key Indicator-1.2 Academic Flexibility (30) Revised Table

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, and NPTEL etc., where the students of the institution have enrolled and successfully completed during the last five years)

1.2.2 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc., where the students of the institution have enrolled and successfully completed during the last five years:

Sl.No	Year	No. of Add-On courses	No. of Students Attended
1	2022-23	08	19
2	2021-22	06	433
3	2020-21	04	168
4	2019-20	08	603
5	2018-19	04	368
Total		30	1591
Total number of students enrolled in such students during the last five years		1591	
Total number of students during the last five years		3570	
Percentage		44.56%	



SUMMARY

Course Status :	Ongoing
Course Type :	Elective
Duration :	12 weeks
Category :	Computer Science and Engineering Systems Programming
Credit Points :	3
Level :	Undergraduate/Postgraduate
Start Date :	Mon Jan 23 2023
End Date :	Fri Mar 17 2023
Enrollment Ends :	Mon Feb 06 2023
Exam Registration Ends :	Fri Mar 17 2023
Exam Date :	Sun Apr 30 2023 IST

Note: This exam date is subjected to change based on the seat availability. You can check final exam date on your hall ticket.

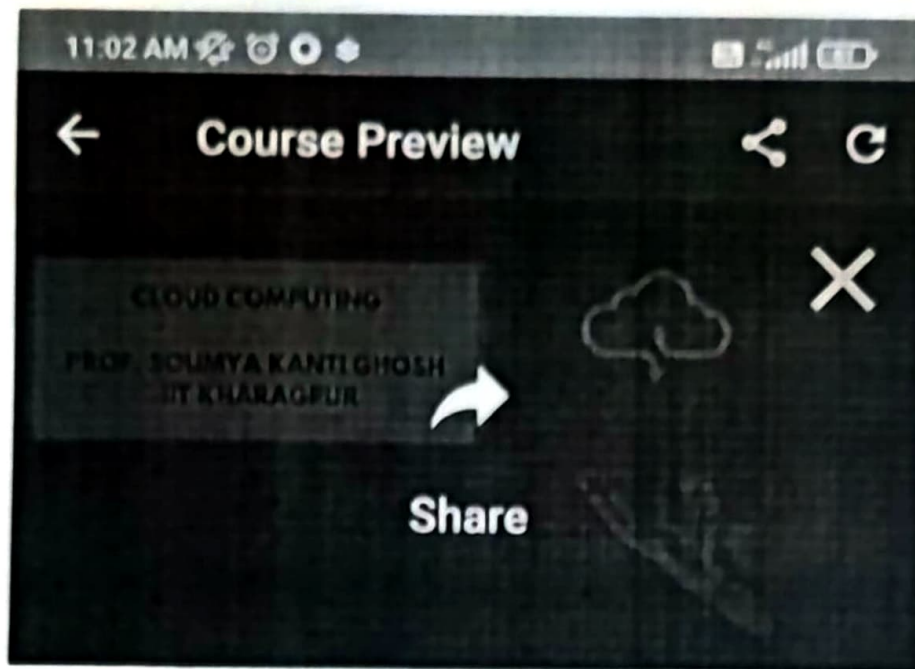
This is an AICTE approved FDP course

GO TO COURSE

P. S. K. Ghosh
Principal
29/02/2024

IVRANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

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COURSE LAYOUT

- Week 1:** Introduction to **Cloud Computing**
- Week 2:** Cloud Computing Architecture
- Week 3:** Service Management in Cloud Computing
- Week 4:** Data Management in Cloud Computing
- Week 5:** Resource Management in Cloud
- Week 6:** Cloud Security
- Week 7:** Open Source and Commercial Clouds, Cloud Simulator
- Week 8:** Research trend in Cloud Computing, Fog Computing
- Week 9:** VM Resource Allocation, Management and Monitoring
- Week 10:** Cloud-Fog-Edge enabled Analytics
- Week 11:** Serverless Computing and FaaS Model
- Week 12:** Case Studies and Recent Advancements

BOOKS AND REFERENCES

GO TO COURSE

Ravi Shankar Singh
Principal
29/02/2024

HYERANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

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Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HEMALATHA P

for successfully completing the course

Cloud Computing

with a consolidated score of **67** %

Online Assignments	25/25	Proctored Exam	41.87/75
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Total number of candidates certified in this course: **11454**

Jan-Apr 2023

(12 week course)

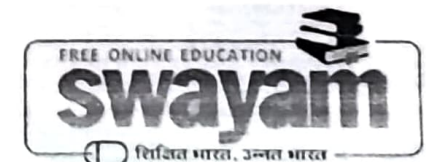
Principal
28/02/2023
Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Debjani

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS42S23231832

To validate the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANKITHA R

for successfully completing the course

Cloud Computing

with a consolidated score of **54** %

Online Assignments	22.25/25	Proctored Exam	32.15/75
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Total number of candidates certified in this course: **11454**

Jan-Apr 2023

(12 week course)

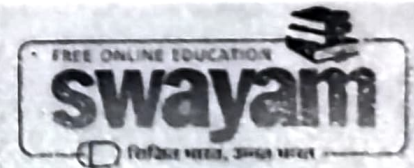
Randhawa
28/02/2024
Principal
VIVARANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Debjani

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS42553230605

To validate the certificate



No. of credits recommended: 3 or 4



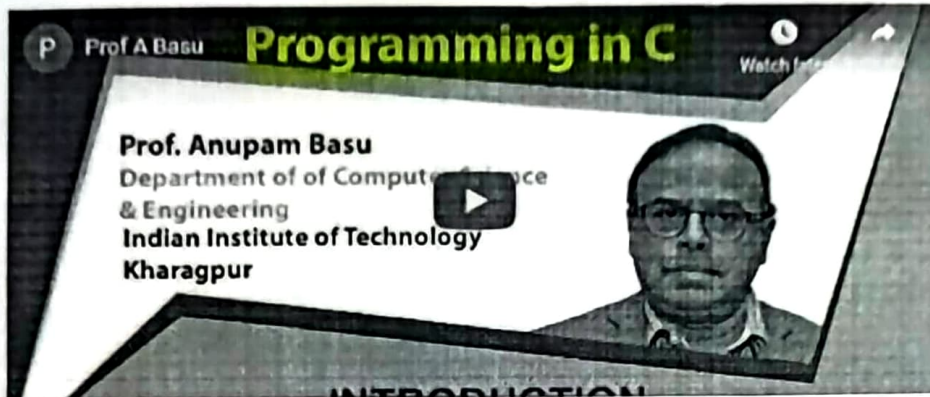
Home > Courses >

Problem Solving Through Programming In C

By Prof. Anupam Basu | IIT Kharagpur

Go to course

Learners enrolled: 41778



ABOUT THE COURSE :

This course is aimed at enabling the students to

1. Formulate simple algorithms for arithmetic and logical problems
2. Translate the algorithms to programs (in C language)
3. Test and execute the programs and correct syntax and logical errors
4. Implement conditional branching, iteration and recursion
5. Decompose a problem into functions and synthesize a complete program using divide and conquer approach
6. Use arrays, pointers and structures to formulate algorithms and programs
7. Apply programming to solve matrix addition and multiplication problems and searching and sorting problems
8. Apply programming to solve simple numerical method problems, namely root finding of function, differentiation of function and simple integration

INTENDED AUDIENCE : BE/BTech in all disciplines BCA/MCA/M. Sc

INDUSTRY SUPPORT : All IT Industries

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Category :	= Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate
Start Date :	23 Jan 2023
End Date :	14 Apr 2023
Enrollment Ends :	06 Feb 2023
Exam Registration Ends :	17 Mar 2023
Exam Date :	29 Apr 2023 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket

This is an AICTE approved FDP course



Ravindra H
Principal 29/02/2024

VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Course layout

- Week 1** Introduction to Problem Solving through programs, Flow-Charts, Pseudocodes, the compilation process, Syntax and Semantic errors, Variables and Data Types
- Week 2** Arithmetic expressions, Relational Operations, Logical expressions, Introduction to Conditional Execution
- Week 3** Conditional Branching and Repetitive Loops
- Week 4** Arranging things - Arrays
- Week 5** 2-D arrays, Character Arrays and Strings
- Week 6** Basic Algorithms including Numerical Algorithms
- Week 7** Functions and Parameter Passing by Value
- Week 8** Passing Arrays to Functions, Call by Reference
- Week 9** Recursion
- Week 10** Structures and Pointers
- Week 11** Self-Referential Structures and Introduction to Lists
- Week 12** Advanced Topics

Books and references

Textbooks:

1. Byron Gottfried, Schaum's Outline of Programming with C, McGraw Hill
2. E. Balaguruswamy, Programming in ANSI C, Tata McGraw Hill

Reference Books:

1. Brian W. Kernighan and Dennis M. Ritchie, The C Programming Language, Prentice Hall of India

Instructor bio



Prof. Anupam Basu
IIT Kharagpur

Anupam Basu is Professor in the Dept. of Computer Science & Engineering, IIT Kharagpur, and has been an active researcher in the areas of Cognitive and Intelligent Systems, Embedded Systems and Language Processing. Presently he is acting as the Chairman and Head of the Center for Educational Technology, IIT Kharagpur. He has developed several embedded system based tools empowering the physically challenged and has led several national projects in the area.

He has taught at the University of California, Irvine at the Center for Embedded Systems. He is an Alexander von Humboldt Fellow and a Fellow of the Indian National Academy of Engineering. The awards won by him include the State Award for the Best Contribution to the Cause of Empowerment of the Disabled (2014), Universal Design Award 2011, for contributions in design for the disabled, by National Council for Promotion of Employment of Disabled Persons, India, the National Award for the Best Technology Innovation for the Physically Disabled (2007) and the Da-Vinci Award 2004 from the Engineering Society of Detroit.

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres. The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
Date and Time of Exams: **29 April 2023** Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm
Registration url: Announcements will be made when the registration form is open for registrations.
The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.

(All assignments in a particular week will be counted towards final scoring - quizzes and programming assignments)

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE \geq 10/25 AND EXAM SCORE \geq 30/75. If one of the 2 criteria is not met, you will not get the certificate even if the Final score \geq 40/100.

NOTE: Please note that there will not be an unproctored programming exam for this course this term.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.

Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team


Principal
29/02/2024
VEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
VISHAL V NAYAK
for successfully completing the course

Problem Solving through Programming in C

with a consolidated score of **67** %

Online Assignments	25/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **3749**

Jan-Apr 2023

(12 week course)

Randhawa
28/02/2024
Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23C553S33230686

To validate the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

H SRIPADA RAO

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	24.94/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3857**

Jul-Oct 2023

(12 week course)

Ravi Shankar
Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

H Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S632305670

To verify the certificate

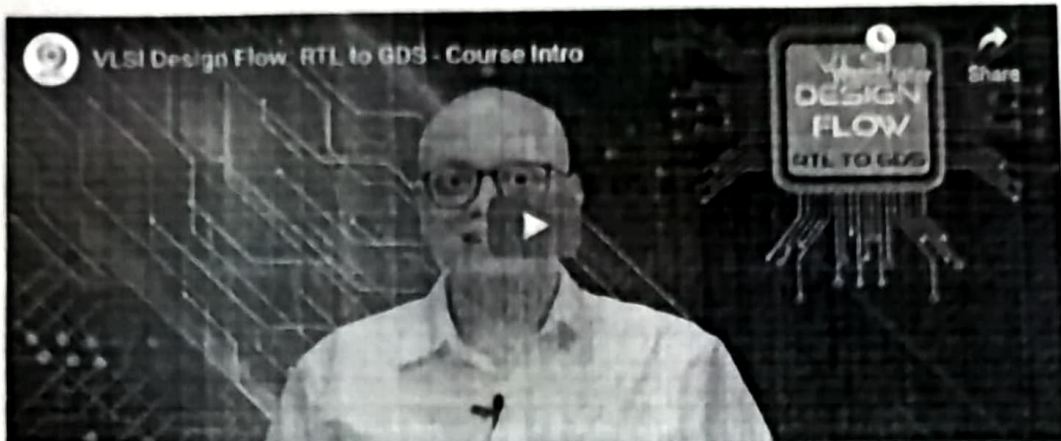


No. of credits recommended: 3 or 4

VLSI Design Flow: RTL to GDS

By Prof. Sneh Suresh | IIT Delhi

Learners enrolled: 12082 | Exam registration: 2720



ABOUT THE COURSE:

This course covers the entire RTL to GDS VLSI design flow, going through various stages of logic synthesis, verification, physical design, and testing. Besides covering the fundamentals of various design tasks, this course will develop skills in modern chip design with the help of activities and demonstrations on freely available CAD tools. This course will enhance the employability of the students and will make them ready to undertake careers in the semiconductor industry.

PREREQUISITES: Basic Course on Digital Circuits (typically taught in the first/second year of UG Program)

INDUSTRY SUPPORT: The course develops skills to use design automation tools for chip designing. The course will be valued by companies working on semiconductors, such as Qualcomm, Intel, Texas Instruments, NXP, ST Microelectronics, Micron, IBM, Cadence, Synopsys, Siemens, ARM, AMD, NVidia, Apple, and Google.

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Category :	<ul style="list-style-type: none">Electrical, Electronics and Communications EngineeringVLSI design
Credit Points :	3
Level :	Undergraduate/Postgraduate
Start Date :	24 Jul 2023
End Date :	13 Oct 2023
Enrollment Ends :	07 Aug 2023
Exam Registration Ends :	18 Aug 2023
Exam Date :	29 Oct 2023 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket

This is an AICTE approved FDP course



Ravindra Jha
Principal
29/02/2024
HIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Course layout

- Week 1:** Basic Concepts of Integrated Circuit Structure, Fabrication, Types, Design Styles, Designing vs. Fabrication Economics, Figures of Merit Overview of VLSI Design Flow, Design Flows and Abstraction, Pre-RTL Methodologies, Hardware-software Partitioning, SoC Design, Intellectual Property (IP) Assembly, Behavioral Synthesis
- Week 2:** Overview of VLSI Design Flow, RTL to GDS Implementation, Logic Synthesis, Physical Design, Verification and Testing, Post-GDS Processes
- Week 3:** Hardware Modeling, Introduction to Verilog Functional verification using simulation, testbench, coverage, mechanism of simulation in Verilog
- Week 4:** RTL Synthesis, Verilog Constructs to Hardware Logic Optimization, Definitions, Two-level logic optimization
- Week 5:** Logic Optimization, Multi-level logic optimization, FSM Optimization, Formal Verification, Introduction, Formal Engines, BDD, SAT Solver
- Week 6:** Formal Verification, Model Checking, Combinational Equivalence Checking, Technology Library, Delay models of Combinational and Sequential Cells
- Week 7:** Static Timing Analysis, Synchronous Behavior, Timing Requirements, Timing Graph, Mechanism, Delay Calculation, Graph-based Analysis, Path-based Analysis, Accounting for Variations
- Week 8:** Constraints, Clock, I/O, Timing Exceptions, Technology Mapping, Timing-driven Optimizations
- Week 9:** Power Analysis, Power-driven Optimizations, Design for Test: Basics and Fault Models, Scan Design Methodology
- Week 10:** Design for Test: ATPG, BIST, Basic Concepts for Physical Design: IC Fabrication, FEOL, BEOL, Interconnects and Parasitics, Signal Integrity, Antenna Effect, LEF files
- Week 11:** Chip Planning: Partitioning, Floorplanning, Power Planning, Placement: Global Placement, Wirelength Estimates, Legalization, Detailed Placement, Timing-driven Placement, Scan Cell Reordering, Spare Cell Placement
- Week 12:** Clock Tree Synthesis: Terminologies, Clock Distribution Networks, Clock Network Architectures, Useful Skews, Routing: Global and Detailed, Optimizations, Physical Verification: Extraction, LVS, ERC, DRC, ECO and Sign-off

Books and references

1. Sneh Saurabh, "Introduction to VLSI Design Flow", Cambridge University Press, 2023 (expected) <https://www.cambridge.org/highereducation/books/introduction-to-vlsi-design-flow/93E6832E63FE6B795181D6D67B552333#overview>
2. M.J.S. Smith, "Application-specific integrated circuits", Addison-Wesley, 1997
3. L. Lavagno, I. L. Markov, G. Martin, and L. K. Scheffer (Editors), "Electronic Design Automation for IC Implementation, Circuit Design, and Process Technology", CRC Press, 2016
4. S. Palnitkar, "Verilog HDL: a guide to digital design and synthesis", Pearson Education India, 2003
5. J. Bhasker and R. Chadha, "Static timing analysis for nanometer designs: A practical approach", Springer Science Business Media, 2009
6. G. D. Micheli, "Synthesis and optimization of digital circuits", McGraw-Hill Higher Education, 1994
7. M. Bushnell and V. Agrawal, "Essentials of electronic testing for digital, memory and mixed-signal VLSI circuits", Springer Science & Business Media, 2004

Instructor bio



Prof. Sneh Saurabh
IIIT Delhi

Prof. Sneh Saurabh obtained his Ph.D. from IIT Delhi in 2012 and B.Tech. (EE) from IIT Kharagpur in the year 2000. He has rich experience in the semiconductor industry, having spent 16 years working for industry leaders such as Cadence Design Systems, Synopsys India, and Magma Design Automation before joining IIIT Delhi in June 2016. He has been involved in developing some of the well-established industry-standard EDA tools for clock synchronization, constraints management, STA, formal verification, and physical design. He has taught VLSI-specific courses for over six years at IIIT Delhi, the most popular being VLSI Design Flow. His teaching has been rated excellent by students consistently, and he has received the Teaching Excellence award for seven consecutive semesters, three times for the course VLSI Design Flow. He holds three US patents and is the co-author of the book "Fundamentals of Tunnel Field-Effect Transistors." He is an Editor (IETE Technical Review), an Associate Editor (IEEE Access), a Review Editor (Frontiers in Electronics Integrated Circuits and VLSI), and a Senior Member of IEEE.

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).

Date and Time of Exams: 29 October 2023 Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm

Registration url: Announcements will be made when the registration form is open for registrations.

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then. Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.


Principal 29/02/2024

IIITKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KUSHAL KUMAR K

for successfully completing the course

VLSI Design Flow: RTL to GDS

with a consolidated score of **54** %

Online Assignments	20/25	Proctored Exam	33.75/75
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Total number of candidates certified in this course: **1877**

Dr. Anand Srivastava
Coordinator

Continued Education Program, IIITD

Jul-Oct 2023

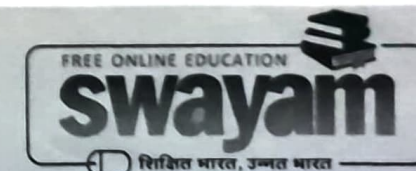
(12 week course)

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY DELHI



Roll No: NPTEL23EE137S832305561

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

LIKITH K

for successfully completing the course

VLSI Design Flow: RTL to GDS

with a consolidated score of **60** %

Online Assignments	21.88/25	Proctored Exam	37.75/75
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Total number of candidates certified in this course: **1877**

Dr. Anand Srivastava

Coordinator

Continued Education Program, IIITD

Jul-Oct 2023

(12 week course)

Principal

VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY DELHI





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SUNIL B K

for successfully completing the course

VLSI Design Flow: RTL to GDS

with a consolidated score of **54** %

Online Assignments	22.19/25	Proctored Exam	32.25/75
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Total number of candidates certified in this course: **1877**

Dr. Anand Srivastava
Coordinator

Continued Education Program, IIITD

Jul-Oct 2023

(12 week course)

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



INDRAPRASTHA INSTITUTE of
INFORMATION TECHNOLOGY DELHI



Roll No: NPTEL23EE137S732303950

To verify the certificate



No. of credits recommended: 3 or 4



About Swayam | All Courses |

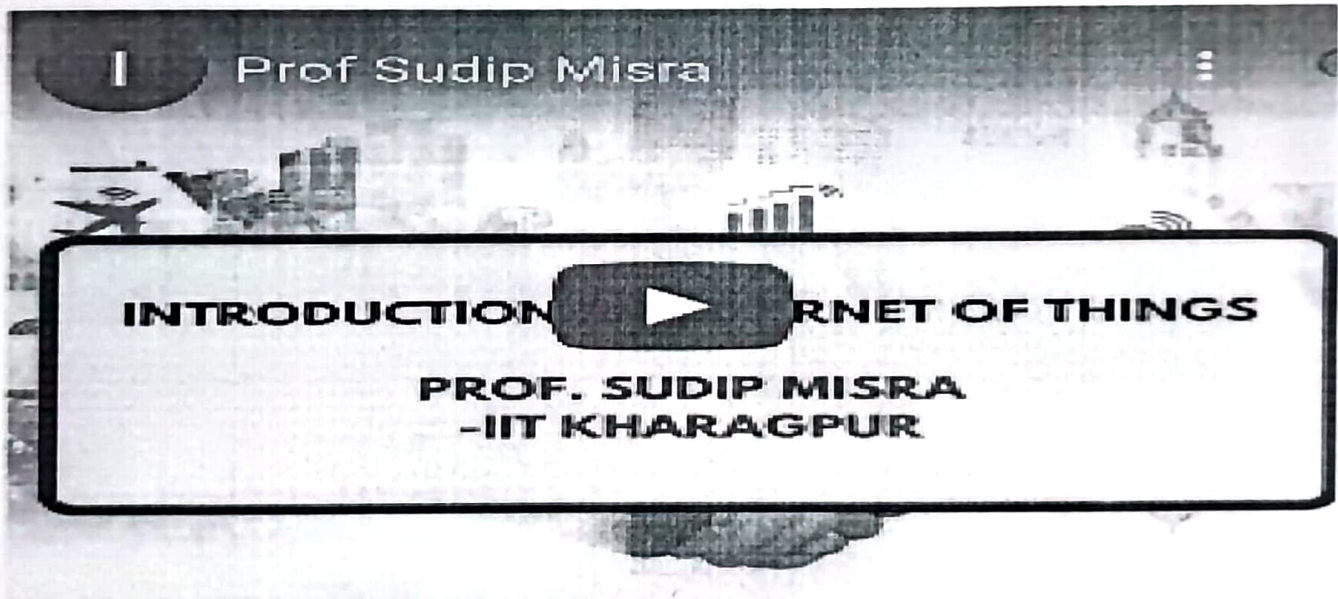
SIGN-IN / REGISTER

Home > Courses >

Introduction To Internet Of Things

By Prof. Sudip Misra | IIT Kharagpur

Learners enrolled: 67527 | Exam registration:
35310



ABOUT THE COURSE :

Internet of Things (IoT) is presently a hot technology

Randhawa SK
29/02/2024

Principal

WIVEKANANDA INSTITUTE OF TECHNOLOGY

Banalore - 560 074

SUMMARY

Course Status :	Ongoing
Course Type :	Elective
Duration :	12 weeks
Category :	Computer Science and Engineering Programming Systems
Credit Points :	3
Level :	Undergraduate
Start Date :	Mon Jul 24 2023
End Date :	Fri Oct 13 2023
Enrollment Ends :	Mon Aug 07 2023
Exam Registration Ends :	Fri Aug 18 2023
Exam Date :	Sun Oct 29 2023 IST

Note: This exam date is subjected to change based on the seat availability. You can check final exam date on your hall ticket.

This is an AICTE approved FDP course


29/02/2024

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

COURSE LAYOUT

Week 1: Introduction to IoT: Part I, Part II, Sensing, Actuation, Basics of Networking: Part-I

Week 2: Basics of Networking: Part-II, Part III, Part IV, Communication Protocols: Part I, Part II

Week 3: Communication Protocols: Part III, Part IV, Part V, Sensor Networks: Part I, Part II

Week 4: Sensor Networks: Part III, Part IV, Part V, Part VI, Machine-to-Machine Communications

Week 5: Interoperability in IoT, Introduction to Arduino Programming: Part I, Part II, Integration of Sensors and Actuators with Arduino: Part I, Part II

Week 6: Introduction to Python


29/02/2024

Principal

VIVEKANANDA INSTITUTE OF TECHNOLOGY

Bangalore - 560 074

Arduino: Part I, Part II

Week 6: Introduction to Python

programming, Introduction to Raspberry Pi, Implementation of IoT with Raspberry Pi

Week 7: Implementation of IoT with

Raspberry Pi (contd), Introduction to SDN, SDN for IoT

Week 8: SDN for IoT (contd), Data Handling and Analytics, Cloud Computing

Week 9: Cloud Computing(contd), Sensor-Cloud

Week 10: Fog Computing, Smart Cities and Smart Homes

Week 11: Connected Vehicles, Smart Grid, Industrial IoT

Week 12: Industrial IoT (contd), Case Study: Agriculture, Healthcare, Activity Monitoring


29/02/2024

Principal

VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HEMALATHA P

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **61** %

Online Assignments	24.78/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **25880**

Ravindranath
Principal 28/02/2024
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 077

Jul-Oct 2023

(12 week course)

H Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S13231255

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

CHANDANA P


for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **70** %

Online Assignments	23.53/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **25880**


Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Jul-Oct 2023

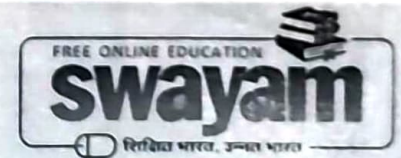
(12 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S23232933

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHREYA S

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **72** %

Online Assignments	24.16/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **25880**


Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Jul-Oct 2023

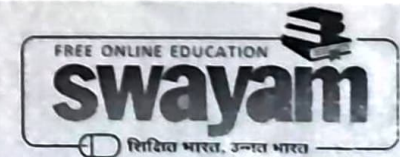
(12 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S13231408

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GUNASHEELA S

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **65** %

Online Assignments	24.16/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **25880**


Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Jul-Oct 2023
(12 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23C S83S13234215

To verify the certificate



No. of credits recommended: 3 of 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

VISHAL V NAYAK


for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **71** %

Online Assignments	24.35/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **25880**


Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Jul-Oct 2023

(12 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S13234545

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SUMUKHA R KASHYAP
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **63** %

Online Assignments	23.75/25	Proctored Exam	39.06/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **14770**

Jan-Apr 2023

(12 week course)

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS57515232543

To validate the certificate



No. of credits recommended: 5 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANKITHA R

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **60** %

Online Assignments	23.35/25	Proctored Exam	37/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **14770**

Jan-Apr 2023

(12 week course)

Ravindra Kumar
Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Debjani
Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS51563230450

To validate the certificate



No. of credits recommended: 3 or 4

Embedded Systems Design

By Prof. Anupam Basu | IIT Kharagpur

Learners enrolled: 8514



ABOUT THE COURSE :

This course on Embedded systems will first take the students to the fundamental requirements of embedded systems and the interaction between hardware and software in such systems. Next the course will discuss some basic steps of hardware design, introduce the students to ASICs, ASIPs and FPGAs. Next, the students will be exposed to the very important issue of designing for less power consumption and introduce them to the techniques that are adopted to this end. Since many of the embedded systems will have real time constraints, basic issues of real time operating systems will be discussed. This will be followed by formal specification models and languages, mapping the specification to hardware and software components along with decisions on design tradeoffs and hardware software partitioning. Next, synthesis of hardware and software along with a few of the optimization techniques will be presented. The course will end with a brief overview of design verification methods that are adopted for embedded system design.

INTENDED AUDIENCE : Environmental engineering professionals and students pursuing a degree with emphasis in Environmental engineering.

PREREQUISITES : Computer Organization, Basic of Microprocessors

INDUSTRY SUPPORT : Any industry working in the area of Embedded Systems

Summary

Course Status :	Completed
Course Type :	Core
Duration :	12 weeks
Category :	<ul style="list-style-type: none">◦ Computer Science and Engineering◦ Robotics
Credit Points :	3
Level :	Undergraduate
Start Date :	23 Jan 2023
End Date :	14 Apr 2023
Enrollment Ends :	06 Feb 2023
Exam Registration Ends :	17 Mar 2023
Exam Date :	29 Apr 2023 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket.




Principal
29/02/2024
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Bangalore - 560 074

Course layout

- Week 1:** Introduction to Embedded System, ASICs and ASiPs
- Week 2:** Designing Single Purpose Processors and Optimization
- Week 3:** Introduction to FPGAs and Synthesis
- Week 4:** Verilog Hardware Description Language (Verilog HDL)
- Week 5:** Microcontrollers and Power Aware Embedded System Design
- Week 6:** Real Time Operating System
- Week 7:** Real Time Scheduling Algorithms
- Week 8:** Modelling and Specification
- Week 9:** Design Synthesis
- Week 10:** Digital Camera Design and Hardware Software Partitioning
- Week 11:** Design Optimization
- Week 12:** Simulation and Verification

Books and references

NILL

Instructor bio



Prof. Anupam Basu
IIT Kharagpur

Anupam Basu is Professor in the Dept. of Computer Science & Engineering, IIT Kharagpur and has been an active researcher in the areas of Cognitive and Intelligent Systems, Embedded Systems and Language Processing. Presently he is acting as the Chairman and Head of the Center for Educational Technology, IIT Kharagpur. He has developed several embedded system based tools empowering the physically challenged and has led several national projects in the area.

He has taught at the University of California, Irvine at the Center for Embedded Systems. He is an Alexander von Humboldt Fellow and a Fellow of the Indian National Academy of Engineering. The awards won by him include the State Award for the Best Contribution to the Cause of Empowerment of the Disabled (2014), Universal Design Award 2011, for contributions in design for the disabled, by National Council for Promotion of Employment of Disabled Persons, India, the National Award for the Best Technology Innovation for the Physically Disabled (2007) and the Da-Vinci Award 2004 from the Engineering Society of Detroit.

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
The exam is optional for a fee of Rs 1000/- (Rupees one thousand only)
Date and Time of Exams: 29 April 2023 Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm
Registration url: Announcements will be made when the registration form is open for registrations.
The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course.

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kharagpur. It will be e-verifiable at nptel.ac.in/noc.

Only the e-certificate will be made available. Hard copies will not be dispatched.

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team



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Ravi Kumar
29/02/2024

Principal

IVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SUNIL B K

for successfully completing the course

Embedded Systems Design

with a consolidated score of **48** %

Online Assignments	17.5/25	Proctored Exam	30/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **996**

Jan-Apr 2023

(12 week course)

Ranjan K
28/2/2024

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 076

Debjani Chakraborty

Prof. Debjani Chakraborty
Coordinator NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KUSHAL KUMAR K

for successfully completing the course

Embedded Systems Design

with a consolidated score of **47** %

Online Assignments	17.19/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **996**

Jan-Apr 2023

(12 week course)

Prof. Debjani Chakraborty
28/4/2024

Prof. Debjani Chakraborty
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



SWAYAM





Home > Courses >

The Joy Of Computing Using Python

By Prof. Sudarshan Iyengar | IIT Ropar

[Go to course](#)

Learners enrolled: 63924 | Exam registration: 23685



ABOUT THE COURSE :

A fun filled whirlwind tour of 30 hrs, covering everything you need to know to fall in love with the most sought after skill of the 21st century. The course brings programming to your desk with anecdotes, analogies and illustrious examples. Turning abstractions to insights and engineering to art, the course focuses primarily to inspire the learner's mind to think logically and arrive at a solution programmatically. As part of the course, you will be learning how to practice and culture the art of programming with Python as a language. At the end of the course, we introduce some of the current advances in computing to motivate the enthusiastic learner to pursue further directions.

INTENDED AUDIENCE : Any interested audience

PREREQUISITES : 10th standard/high school

INDUSTRY SUPPORT : Every software company is aware of the potential of a first course in computer science. Especially of a first course in computing, done right.

Summary

Course Status :	Completed
Course Type :	Elective
Duration :	12 weeks
Category :	Computer Science and Engineering
Credit Points :	3
Level :	Undergraduate/Postgraduate
Start Date :	24 Jul 2023
End Date :	13 Oct 2023
Enrollment Ends :	07 Aug 2023
Exam Registration Ends :	18 Aug 2023
Exam Date :	28 Oct 2023 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket

This is an AICTE approved FDP course




Principal
29/02/2024

WVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



Course layout

- Motivation for Computing
- Welcome to Programming!
- Variables and Expressions - Design your own calculator
- Loops and Conditionals - Hopscotch once again
- Lists, Tuples and Conditionals - Lets go on a trip
- Abstraction Everywhere - Apps in your phone
- Counting Candies - Crowd to the rescue
- Birthday Paradox - Find your twin
- Google Translate - Speak in any Language
- Currency Converter - Count your foreign trip expenses
- Monte Hall - 3 doors and a twist
- Sorting - Arrange the books
- Searching - Find in seconds
- Substitution Cipher - What's the secret !?
- Sentiment Analysis - Analyse your Facebook data
- 20 questions game - I can read your mind
- Permutations - Jumbled Words
- Spot the similarities - Dobble game
- Count the words - Hundreds, Thousands or Millions
- Rock, Paper and Scissor - Cheating not allowed !!
- Lie detector - No lies, only TRUTH
- Calculation of the Area - Don't measure
- Six degrees of separation - Meet your favourites
- Image Processing - Fun with images
- Tic tac toe - Let's play
- Snakes and Ladders - Down the memory lane
- Recursion - Tower of Hanoi
- Page Rank - How Google Works !?

Books and references

NIL

Instructor bio



**Prof. Sudarshan
Iyengar**

IIT Ropar

Prof. Sudarshan Iyengar, Associate Professor at the CSE at IIT Ropar has a Ph.D. from the Indian Institute of Science (IISc). An exemplary teacher who has delivered over 350 popular science talks to students of high school and advanced graduate programmes. Dr Sudarshan has offered more than 100 hours of online lectures with novel teaching methodologies that have reached lakhs of Students. His research interests include Data Sciences, Social Computing, Social Networks, Collective Intelligence, Crowdsourced Technologies and Secure Computation.

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres

The exam is optional for a fee of Rs 1000/- (Rupees one thousand only)

Date and Time of Exams: **28 October 2023** Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm

Registration url: Announcements will be made when the registration form is open for registrations

The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then. Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 8 assignments out of the total 12 assignments given in the course

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.

Certificate will have your name, photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Madras. It will be e-verifiable at nptel.ac.in/noc

Only the e-certificate will be made available. Hard copies will not be dispatched

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team

Randhawa
29/02/2024

Principal

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Bangalore - 560 074



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

H SRIPADA RAO

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **65** %

Online Assignments	25/25	Proctored Exam	40.34/75
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Total number of candidates certified in this course:16145

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

Ravi Shankar
Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Andrew Thangaraj

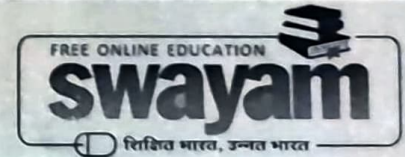
Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras

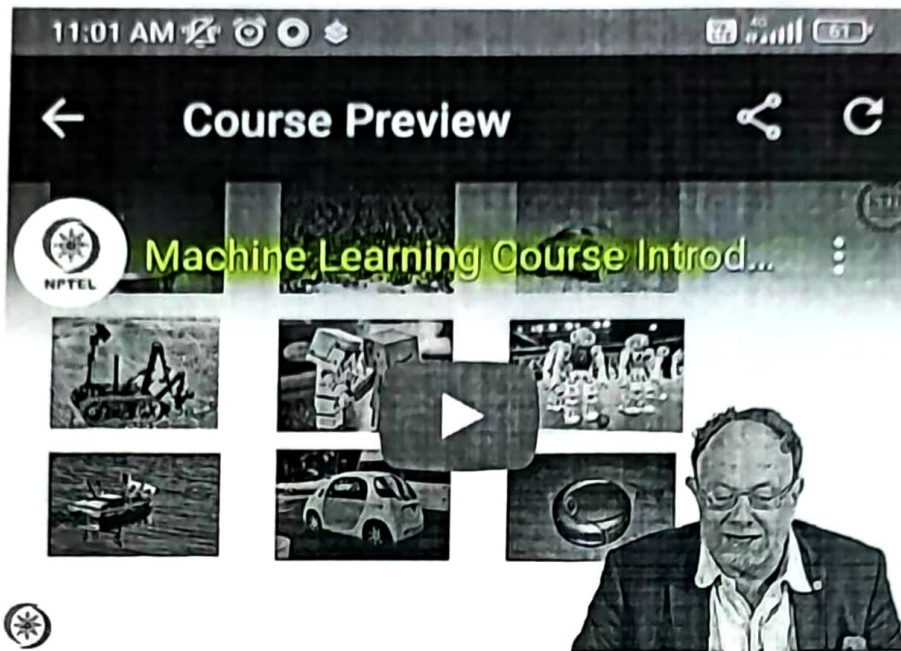


Roll No: NPTEL23CS108S532305478

To verify the certificate



No. of credits recommended: 3 or 4



INDUSTRY SUPPORT : Broad industrial interest at present, i.e. for autonomous vehicles, robots, intelligent assistants and general datamining

SUMMARY

Course Status :	Ongoing
Course Type :	Elective
Duration :	8 weeks
Category :	Computer Science and Engineering Robotics
Credit Points :	2
Level :	Postgraduate
Start Date :	Mon Jan 23 2023
End Date :	Fri Mar 17 2023
Enrollment Ends :	Mon Feb 06 2023
Exam Registration Ends :	Mon Feb 20 2023
Exam Date :	Sun Mar 26 2023 IST

Note: This exam date is subjected to change based on the seat availability. You can check final exam date on your hall ticket.

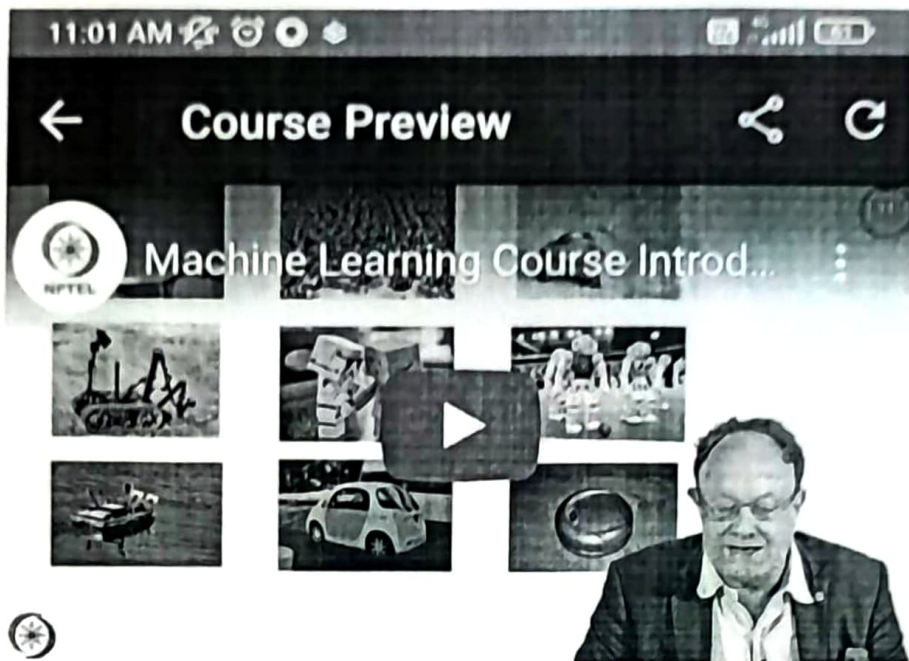
This is an AICTE approved FDP course

[GO TO COURSE](#)

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Ravi Shankar
29/02/2024

Principal
"IVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



COURSE LAYOUT

- Week 1** : Introduction to the Machine Learning course
- Week 2** : Characterization of Learning Problems
- Week 3** : Forms of Representation
- Week 4** : Inductive Learning based on Symbolic Representations and Weak Theories
- Week 5** : Learning enabled by Prior Theories
- Week 6** : Machine Learning based Artificial Neural Networks
- Week 7** : Tools and Resources + Cognitive Science influences
- Week 8** : Examples, demos and exam preparations

BOOKS AND REFERENCES

Own course notes, copy of ppts. Machine Learning textbooks as optional background material.

GO TO COURSE

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Ravikiran H
29/02/2024
Principal

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Bangalore - 560 074



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANKITHA R

for successfully completing the course

Machine Learning

with a consolidated score of **50** %

Online Assignments	19.55/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **583**

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Mar 2023

(8 week course)

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23G511544221317

To validate the certificate



No. of credits recommended: 2 or 3

**Developing Soft Skills And Personality**

By Prof. T. Ravichandran | IIT Kanpur

[Go to course](#)

Learners enrolled: 39326 | Exam registration: 13482

**ABOUT THE COURSE :**

The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality. Hard or technical skills help securing a basic position in one's life and career. But only soft skills can ensure a person retain it, climb further, reach a pinnacle, achieve excellence, and derive fulfillment and supreme joy. Soft skills comprise pleasant and appealing personality traits as self-confidence, positive attitude, emotional intelligence, social grace, flexibility, friendliness and effective communication skills.

INTENDED AUDIENCE: Students, Teachers, Professionals, Trainers, Leaders, Employers

INDUSTRY SUPPORT : All industry/companies/organisations will recognize and value this course and recommend this for their employees and trainee programs.

Summary

Course Status :	Completed
Course Type :	Elective
Duration	8 weeks
Category	Humanities and Social Sciences
Credit Points	2
Level :	Undergraduate
Start Date :	24 Jul 2023
End Date	15 Sep 2023
Enrollment Ends	07 Aug 2023
Exam Registration Ends	21 Aug 2023
Exam Date	24 Sep 2023 IST

Note: This exam date is subjected to change based on seat availability. You can check final exam date on your hall ticket.

This is an AICTE approved FDP course

**Course layout**

- Week 1:** Lecture 1: Introduction: A New Approach To Learning
Lecture 2: Planning And Goal-Setting
Lecture 3: Human Perceptions: Understanding People
Lecture 4: Types Of Soft Skills: Self-Management Skills
Lecture 5: Aiming For Excellence: Developing Potential And Self-Actualisation
Lecture 6: Need Achievement And Spiritual Intelligence
- Week 2:** Lecture 7: Conflict Resolution Skills: Seeking Win-Win Solution
Lecture 8: Inter-Personal Conflicts: Two Examples
Lecture 9: Inter-Personal Conflicts: Two Solutions
Lecture 10: Types Of Conflicts: Becoming A Conflict Resolution Expert
Lecture 11: Types Of Stress: Self-Awareness About Stress
Lecture 12: Regulating Stress: Making The Best Out Of Stress
- Week 3:** Lecture 13: Habits: Guiding Principles
Lecture 14: Habits: Identifying Good And Bad Habits
Lecture 15: Habits: Habit Cycle
Lecture 16: Breaking Bad Habits

Ravichandran
29/02/2024

Principal

WVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074



Lecture 16: Breaking bad habits

- Lecture 17: Using The Zeigarnik Effect For Productivity And Personal Growth
Lecture 18: Forming Habits Of Success

- Week 4:** Lecture 19: Communication: Significance Of Listening
Lecture 20: Communication: Active Listening
Lecture 21: Communication: Barriers To Active Listening
Lecture 22: Telephone Communication: Basic Telephone Skills
Lecture 23: Telephone Communication: Advanced Telephone Skills
Lecture 24: Telephone Communication: Essential Telephone Skills
- Week 5:** Lecture 25: Technology And Communication: Technological Personality
Lecture 26: Technology And Communication: Mobile Personality?
Lecture 27: Topic: Technology And Communication: E-Mail Principles
Lecture 28: Technology And Communication: How Not To Send E-Mails!
Lecture 29: Technology And Communication: Netiquette
Lecture 30: Technology And Communication: E-Mail Etiquette
- Week 6:** Lecture 31: Communication Skills: Effective Communication
Lecture 32: Barriers To Communication: Arising Out Of Sender/Receiver's Personality
Lecture 33: Barriers To Communication: Interpersonal Transactions
Lecture 34: Barriers To Communication: Miscommunication
Lecture 35: Non-Verbal Communication: Pre-Thinking Assessment-1
Lecture 36: Non-Verbal Communication: Pre-Thinking Assessment-2
- Week 7:** Lecture 37: Nonverbal Communication: Introduction And Importance
Lecture 38: Non-Verbal Communication: Issues And Types
Lecture 39: Non-Verbal Communication: Basics And Universals
Lecture 40: Non-Verbal Communication: Interpreting Non-Verbal Cues
Lecture 41: Body Language: For Interviews
Lecture 42: Body Language: For Group Discussions
- Week 8:** Lecture 43: Presentation Skills: Overcoming Fear
Lecture 44: Presentation Skills: Becoming A Professional
Lecture 45: Presentation Skills: The Role Of Body Language
Lecture 46: Presentation Skills: Using Visuals
Lecture 47: Reading Skills: Effective Reading
Lecture 48: Human Relations: Developing Trust And Integrity

Books and references

1. Dorch, Patricia. *What Are Soft Skills?* New York: Execu Dress Publisher, 2013
2. Kamin, Maxine. *Soft Skills Revolution: A Guide for Connecting with Compassion for Trainers, Teams, and Leaders.* Washington, DC: Pfeiffer & Company, 2013.
3. Klaus, Peggy, Jane Rohman & Molly Hamaker. *The Hard Truth about Soft Skills.* London: HarperCollins E-books, 2007
4. Petes S. J., Francis. *Soft Skills and Professional Communication.* New Delhi: Tata McGraw-Hill Education, 2011.
5. Stein, Steven J. & Howard E. Book. *The EQ Edge: Emotional intelligence and Your Success.* Carolina: Wiley & Sons, 2006

Instructor bio



Prof. T. Ravichandran
IIT Kanpur


Dr. T. RAVICHANDRAN is presently a Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, Uttar Pradesh, India. He has written about fifty research articles/book chapters, supervised six doctoral theses, edited a special issue on Cyberpunk Literature for the Creative Forum Journal, and published a book on Postmodern Identity. He is a recipient of the G. B. Pant Nehru Academic and Professional Excellence Fellowship (2014-15) for his research/teaching at Duke University, North Carolina, USA. He is honored with Champu Devi Gangwal Chau Professorship at IIT Kanpur. In his distinguished twenty-five years of teaching career, he has taught various courses in English Language and Literature. His NPTEL Video and Web courses on Communication Skills are well-acclaimed nationally and internationally. His NPTEL MOOC on Developing Soft Skills and Personality became hugely popular and well received by about fifteen thousand participants from India and abroad.

Course certificate

The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres. The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
Date and Time of Exams: **24 September 2023** Morning session 9am to 12 noon, Afternoon Session 2pm to 5pm
Registration url: Announcements will be made when the registration form is open for registrations. The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes it will be mentioned then.
Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

CRITERIA TO GET A CERTIFICATE

Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course
Exam score = 75% of the proctored certification exam score out of 100


Principal
29/02/2024



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

VANDANA G M

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **71** %

Online Assignments	23.79/25	Proctored Exam	46.98/75
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Total number of candidates certified in this course: **9659**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Sep 2023

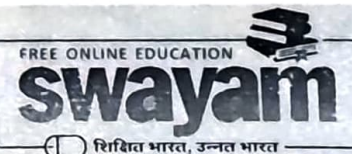
(8 week course)

Principal
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Bangalore - 560 074

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23HS116S34645028

To verify the certificate



No. of credits recommended: 2 or 3