



Sardar Patel Institute of Technology
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-
400058, India
(Autonomous College Affiliated to University of Mumbai)

1.3.2 – Institutional Programme Notices for certificate/value added programs with course modules and outcomes.

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Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai – 400 058-India.
(Autonomous Institute Affiliated to Mumbai University)

NOTICE

Date: 15/01/2024

All the students of Second Year (UG), Third Year (UG) Final year (UG), First Year (PG) who have taken NPTEL are hereby reminded that NPTEL courses Enrolment in many courses is about to close. You are required to complete the courses enrollment at the earliest. After that you must register for the course (examination) by paying requisite fees online at the NPTEL website (Retain the fees receipt, useful to claim the refund) While registering select the checkbox to " Can we share your scores with your college *" as Yes. This will help in verification of your course result. Failing to which your results may get delayed.

After registering to the course please update to Dr. Sukanaya Kulkarni (Controller of Examinations and

Dr. Y. S. Rao

Dean Academics & Research, SPIT Mumbai





Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai – 400 058-India.
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NOTICE

Date: 05/01/2022

All the students of Second Year (UG), Third Year (UG) Final year (UG), First Year (PG) who have taken NPTEL are hereby reminded that NPTEL courses Enrolment in many courses is about to close. You are required to complete the courses enrollment at the earliest. After that you must register for the course (examination) by paying requisite fees online at the NPTEL website (Retain the fees receipt, useful to claim the refund) While registering select the checkbox to " Can we share your scores with your college *" as Yes. This will help in verification of your course result. Failing to which your results may get delayed.

After registering to the course please update to Prof. Govind Haldankar (Controller of Examinations

Dr. R. G. Sutar

Dean Academics, SPIT Mumbai





Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai – 400 058-India.

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NOTICE

Date: 05/09/2020

All the students of Second Year (UG), Third Year (UG) Final year (UG), First Year (PG) who have taken NPTEL are hereby reminded that NPTEL courses registration in many courses is about to close. You are required to complete the courses registration at the earliest. After registering to the course please update to Prof. G.T. Haldankar (Controller of Examinations and NPTEL coordinator

A handwritten signature in blue ink, appearing to read 'R. G. Sutar'.

Dr. R. G. Sutar

Dean Academics, SPIT Mumbai



A handwritten signature in blue ink, appearing to read 'G. T. Haldankar'.



Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai – 400 058-India.
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NOTICE

Date: 20/04/2020

All the students of Second Year (UG), Final year (UG) students, First Year (PG) who have taken NPTEL/MOOC are hereby informed that their grade calculation will be based on the assessment of the assignments completed in the NPTEL /MOOC course.

Dr. R. G. Sutar

Dean Academics, SPIT Mumbai



SCOPE

scope.spit.ac.in/courses/electronics-engineering/advanced-instrumentation/elsd43-labview-programming-i/



ELSD43: LABVIEW PROGRAMMING – I

Learners Login

About the Course

Academic research and development usually encompasses discovery, innovation, experimentation, and creation; however, in today's highly competitive and global economy, it also involves patents, licensing, technology transfer, and partnerships with industry. Virtual instrumentation is the combination of user-defined software and modular hardware that implements custom systems ("virtual instruments") with components for acquisition, processing/analysis and presentation.

National Instruments introduced the concept of virtual instrumentation more than 25 years ago and now offers an extensive platform of hardware and software for creating virtual instruments. Since its inception, the virtual instrumentation approach has gained widespread acceptance around the world. For instance, in 2004 National Instruments sold more than 6 million channels of virtual instrumentation in 90 countries.

This training will be an intensive 40 hours course that will involve the building, simulating and testing VIs with National Instruments Labview Software. This Course will teach learners deep understanding of Graphical programming language and its capabilities to quickly prototype system from various domain thereby greatly reducing time to market.

Pre-requisites

Link: <https://scope.spit.ac.in/courses/electronics-engineering/advanced-instrumentation/elsd43-labview-programming-i/>

Advanced Instrumentation Module 1: LabVIEW Programming-I (Group-3) (Batch-1)	SCOPE	Offline	2018-19
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Linux System and Network Administration Module 1: Linux System and Network Administration (Group-1) (Batch-1)	SCOPE	Offline	2017-18
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Link: <https://scope.spit.ac.in/courses/electronics-and-telecommunication/networking-and-security/linux-system-administration/>

S. Chaudhary



Linux System Administration

Why Learn Linux?

- Internet, Super Computers, Smart Devices, Space Technologies, Corporation's , Credit Card Systems, Sensor Devices , Submarine, Watches , Networking , Raspberry Pi, and over a billion Smartphones is powered by Linux.
- With rise of IoT(Internet of Things) , Linux is definitely a mandatory skill needed to survive in Technology domain in coming years
- Recruiters prefer ease to work in Linux environment as an essential skill over other skills in the domain. Linux background provides tremendous job opportunities
- Top tier companies such as Google, Facebook, IBM, Oracle and many other work with Linux or either of its UNIX based derivatives
- Major Foreign Universities , IITs and IISc widely use Linux environments for Desktop Computing and consider Linux knowledge as key prerequisite for the course

Highlights:

- 100% Hands-On Experience Courses
- Certificate Course

Advances in Antenna Module 1: Antenna Design, Fabrication and Testing (Batch-1)	SCOPE	Offline	2017-18
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Link: <https://scope.spit.ac.in/courses/electronics-and-telecommunication/advances-in-antenna/etsd53antenna-design-fabrication-and-testing/>

Expert System Design & Development Module 2: Application Development using Neural Network & Fuzzy Logic (Batch-1)	SCOPE	Offline	2018-19
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Link: <https://scope.spit.ac.in/courses/computer-engineering/expert-system-design-and-development/cesd14-application-development-using-neural-network-and-fuzzy-logic/>



Shandhai

CESD14: Application development using Neural Network and Fuzzy Logic

Course Layout

In this, we will cover the basics of learning with demonstration by using perceptron Training algorithm. The gradient descent algorithm in Backpropagation helps participants to understand and apply to build supervised expert system for any real-life problems.

It covers the use of the Gaussian method in Radial Basis function with example.

This module covers the design of unsupervised system using Hopfield network.

The application like signature verification, pattern recognition can be design using associative memory (BAM). This module focusing on handling uncertainty, vagueness issues while designing an expert system using Fuzzy logic. The course will be accompanied by hands-on problem solving with programming in Java and Python and also covers the tools like OpenNN, Joone, FuzzyTech and other important open source tools available.

Contents

Perceptron, gradient descent algorithm, BPN, RBF Networks, Hopfield Network, BAM

OpenNN, Java, Joone

Fuzzy Rules and Fuzzy Set Operations, First Order Logic, Fuzzy Predicate Logic

fuzzyTECH, Java

Home > Courses > Electronics and Telecommunication > ETSD5: Advances in Antenna > ETSD53: Antenna Design, Fabrication and Testing

ETSD53: Antenna Design, Fabrication and Testing

Course Co-ordinator:

Prof. Reena Sonkusare

Associate Professor

ETC Dept., S.P.I.T

Email: reena_kumbhare@spit.ac.in

Schedule Dates:

29th July 2017 (Saturday): 4 hrs

5th August 2017 (Saturday): 6 hrs

12th August 2017 (Saturday): 4 hrs

19th August 2017 (Saturday): 6 hrs



Shardha

About the course

In the 1890s, there were only a few antennas in the world. These rudimentary devices were primarily a part of experiments that demonstrated the transmission of electromagnetic waves. By World War II, antennas had become so ubiquitous that their use had transformed the lives of the average person via radio and television reception. The number of antennas in the United States was on the order of one per household, representing growth rivaling the auto industry during the same period.

By the early 21st century, thanks in large part to mobile phones, the average person now carries one or more antennas on them wherever they go. This significant rate of growth is not likely to slow, as wireless communication systems become a larger part of everyday life. In addition, the strong growth in RFID devices suggests that the number of antennas in use may increase to one antenna per object in the world (product, container, pet, banana, toy, cd, etc.). This number would dwarf the number of antennas in use today. Hence, learning a little (or a large amount) about antennas couldn't hurt, and will contribute to one's overall understanding of the modern world.

Major Classification of Antenna Includes:

1. Yagi-Uda Antenna
2. Horn antenna
3. Antenna array
4. Parabolic Reflectors, and



Banking and Finance Module 1: Financial Accounting (Batch-1) SCOPE Offline 2017-18

Link:

<https://scope.spit.ac.in/courses/information-technology/banking-and-finance/module-1-financial-accounting/>



SCOPE

Skill Certification for Outcome-based Professional Education

Home > Courses > Information Technology > Banking And Finance > Module 1 - Financial Accounting

Module 1 – Financial Accounting

Overview & Introduction

- Significance of Accounting
- Accounting concepts & conventions and policies
- Double-Entry Book Keeping system

Accounting Cycle

- Journal & Subsidiary Books



Shandhar

Applied Algorithms and Data Structures with Java

Pre Reads	Basics of java, Writing a Hello World Program, Loops and Conditional Statements, Basics of Classes
Module 1	Java Basics Revision, OOP concepts
	Basic Data structures : Arrays, Lists, Stacks, Queues - Time Complexities
	Linked Lists, Trees - Binary, BST, N-Ary - Time Complexities, Recursion
Module 2	Maps, Hashing, Collision, HashTable
	Design Concepts and Real World Application Design- Interface, Abstract Classes, Java Good Coding practices
	Code Kata
Module 3 (Optional)	Graph, Tree vs Graph, Tree Traversals
	Dynamic programming, memoization
	Threading + Hardware level + Operating system


There will be 2 (two) tests overall. 1 (one) midterm test and other would be end term test.



Shardha

NPTEL/SWAYAM

Programming, Data Structures And Algorithms Using Python | noc19-cs40 | SWAYAM(Online)

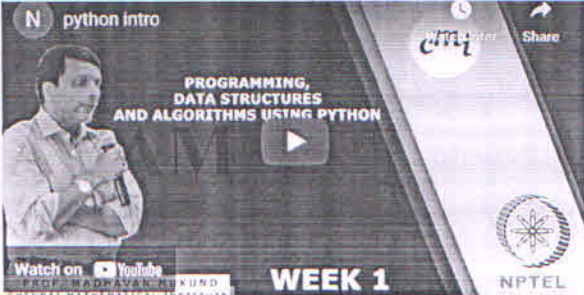


Initiatives ▾ Programs ▾ NPTEL STARS NPTEL Testimonials More ▾ [Log in](#)

Course Details

- Week 1: Introduction
- Week 2: Basics of Python
- Week 3: Lists, inductive function definitions, sorting
- Week 4: Sorting, Tuples, Dictionaries, Passing Functions, List Comprehension
- Week 5: Exception handling, input/output, file handling, string processing
- Week 6: Backtracking, scope, data structures; stacks, queues and heaps

N python intro



Share

Watch on YouTube

WEEK 1

NPTEL

Course Abstract

This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files. As far as data structures are concerned, the course covers Python dictionaries as well as classes and objects for defining user defined datatypes such as linked lists and binary search trees.

Course Duration
Jan-Mar 2024

Enrollment :
2023-11-09 to 2024-01-29

Exam Registration :
to 2024-02-16

Exam Date :
2024-03-24

Python for Data Science - Online | noc19-cs59 | SWAYAM(Online)



Shardhary

Course Details

- Week 1
- Week 2
- Week 3
- Week 4
- Supporting material for Week 4

About Course

Downloads

TA List

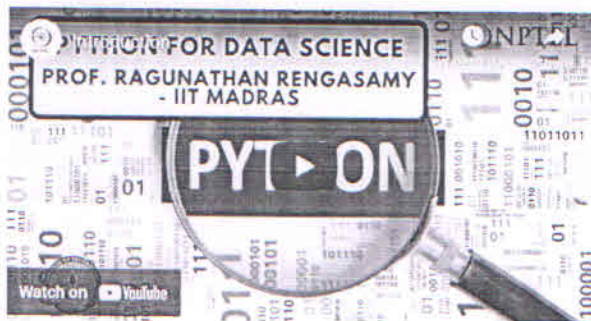
Statistics

Toppers List

Certificate Type

Feedback

Syllabus



Course Duration
Jan-Feb 2024

Enrollment
2023-11-09 to 2024-01-29

Exam Registration
to 2024-02-16

Exam Date
2024-03-24

Course Abstract

The course aims at equipping participants to be able to use python programming for solving data science problems.

Indian Economy: Some Contemporary Perspectives | noc21-hs51 | SWAYAM(Online)

Course Details

- WEEK 1
- WEEK 2
- WEEK 3
- WEEK 4
- WEEK 5
- WEEK 6
- WEEK 7
- WEEK 8
- Live Session



Course Duration
Jan-Mar 2024

Enrollment
2023-11-09 to 2024-01-29

Exam Registration
to 2024-02-16

Exam Date
2024-03-23

Course Abstract

Understanding the role of economic activities has always been a challenging task for non-economics students and it is an unavoidable task. This course is designed for undergraduate students to learn the art of understanding the functioning of the economy in the light of its mixed economic set up, historical developments and recent reforms. The course touches upon various relevant topics which are indeed useful for the budding economist and non-economics students who want to apply for general competitive exams and masters program in management and civil services.

Speaking Effectively | noc21-hs05 | SWAYAM(Online)

Schaudhary



Course Details

- Week 1
- Week 2
- Week 3
- Week 4
- Week 5
- Week 6
- Week 7
- Week 8
- Live Session

Course Duration:
Jan-Mar 2024Enrollment
2023-11-09 to 2024-01-29Exam Registration
to 2024-02-16Exam Date:
2024-03-23

Course Abstract

This course aims to introduce learners to the dynamics of effective spoken communication by establishing speaking as an autonomous medium with a distinctive vocabulary, syntax, structure, style and register. It will enable learners to participate in one to one interactions, in small groups and before a group. Learners are expected to master the fundamentals of speaking such as vocabulary, body language, pronunciation and basic conversation skills before they move on to more advanced activities such as appearing in interviews, making formal presentations and participating in meetings.

Coursera

Introduction to Git and GitHub (18 hours) | Coursera

G Introduction to Git and GitHub

Enroll for Free
Starts Feb 20

About

Outcomes

Modules

Recommendations

Testimonials

Reviews

Read more

Introduction to Version Control

Module 1 • 9 hours to complete

Using Git Locally

Module 2 • 6 hours to complete

Working with Remotes

Module 3 • 7 hours to complete

Collaboration

Module 4 • 6 hours to complete

Instructor

Instructor ratings 4.9 ★ (2,001 ratings)



Top Instructor

Google Career Certificates

Google

323 Courses • 8,746,120 learners

Offered by



Google

Learn more



Schaudhary



Getting and cleaning data (21 Hours) Coursera

For Individuals For Businesses For Universities For Governments

coursera

Explore

What do you want to learn?

Online Degrees

Find your New Career

English



Browse > Data Science > Data Analysis



Getting and Cleaning Data

This course is part of multiple programs. [Learn more](#)

Taught in English | [20 languages available](#) | Some content may not be translated



Instructors: [Jeff Leek, PhD](#) +2 more

Enroll for Free
Starts Feb 14

Financial aid available

Course

Gain insight into a topic and learn the basics.

4.5 ★ (8,044 reviews) | 12

19 hours (approximately)

Flexible schedule

Learn at your own pace

[View course modules](#)

There are 4 modules in this course

Before you can work with data you have to get some. This course will cover the basic ways that data can be obtained. The course will cover obtaining data from the web, from APIs, from databases and from colleagues in various formats. It will also cover the basics of data

[Read more](#)

Week 1

Module 1 • 2 hours to complete

Week 2

Module 2 • 1 hour to complete

Instructors

Instructor ratings 4.3 ★ (325 ratings)



[Jeff Leek, PhD](#)

Johns Hopkins University

32 Courses • 1,607,983 learners

[View all 3 instructors](#)

Google Crash Course on Python - 23 Google(Coursera)



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coursera

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Online Degrees

Find your New Career

English



Browse > Information Technology > Support and Operations

Google

Crash Course on Python

This course is part of [Google IT Automation with Python Professional Certificate](#)

⌕ Taught in English | [Video subtitles available](#)

 Instructor: [Google Career Certificates](#)
Top instructor

Enroll for Free
Starts Feb 20

Financial aid available

Course

Gain insight into a topic and learn the fundamentals.

4.8 ★ (35,252 reviews) |  [Share](#)

Beginner level

No previous experience necessary.

39 hours (approximately)

Flexible schedule

Learn at your own pace

[View course modules](#)



Shandhai