PVKN Govt. College (A), Chittoor

Department of Computer Science

Certificate Course on Computer Fundamentals and Office Automation

A.Y. 2019 - 2020

(18th Feb – 20th March 2020)

The certificate course is conducted for the benefit of the UG & PG students of this college and outsiders. This is 40 Hours Certificate Course which includes both Theory and Practical.

This Course is conducted in 18th Feb 2020 – 20th March 2020. 32 Students participated in this Certificate Course and completed the course. The faculty members of the Computer Science and Computer Applications acted as resource persons for the course.

Brochure:

Course Syllabus:

Theory: 20 h

Unit I **4h**

Introduction: Definition of a Computer – Characteristics and Applications of Computers – Block Diagram of a Digital Computer – Central Processing Unit – I/O

Devices – Types of Software – MS Windows – Desktop, Computer, Documents, Pictures, Music, Videos, Recycle Bin.

Unit II **4h**

Internet Applications: Using Google Chrome, Entering a website address, Searching the Internet, Introduction to Social Networks – WhatsApp, YouTube, Facebook, Twitter, Instagram.

Unit III **4h**

MS-Word: Features of MS-Word – MS-Word Window Components – Creating, Editing, Formatting and Printing of Documents – Headers and Footers – Insert/Draw Tables – Page Borders and Shading – Inserting Symbols, Shapes, Word Art, Page Numbers.

Unit IV **4h**

MS-PowerPoint: Features of PowerPoint – Creating a Blank Presentation - Creating a Presentation using a Template – Inserting and Deleting Slides in a Presentation – Adding Clip Art/Pictures -Inserting Other Objects, Audio, Video – Slide Transition – Custom Animation.

Unit V **4h**

MS-Excel: Overview of Excel features – Creating a new worksheet, Selecting cells, Entering and editing Text, Numbers, Formulae, Referencing cells – Inserting Rows/Columns –Changing column widths and row heights – changing font sizes, colors, – Sorting data, Filtering data.

Practical: 20 h

1. Identifying the Components of a Computer, Creating folders, Renaming folders. - 2h
2. Working with Google Chrome Browser, Creating Google Account, Google Search. - 2h
3. Create your own CV. - 2h
4. Write a leave letter to your higher authorities. - 2h
5. Create your class timetable. - 2h
6. Prepare a presentation on generation of computers- insert images/photos. - 2h
7. Prepare a presentation with animations on the topic Recent technologies in computer science.

-2h

8. Create a worksheet with students data.

   -2h
9. Apply mathematical formulas to find total, average, percentage, pass or fail.

   -2h
10. Create graphs that represent the percentage of boys and girls in your class.

    -2h

Total

20h

Total Hours: 40

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Certificates Link:

https://drive.google.com/drive/folders/1jJX0yUWn01kfBV3RnA6SVVGNKyJgHtVu?usp=share_link

Feb 26, 2020 4:18:51 PM
Chittoor
PVKNGC(A)

Mar 7, 2020 4:12:11 PM
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PVKNGC(A), CHITTOOR

PVKN Govt. College (A), Chittoor

Department of Computer Science

A.Y. 2020 - 2021

Cisco Networking Academy Online Certificate Course

"Programming Essentials in C"

(03-02-2021 to 01-06-2021)

Department of Computer Science in association with Cisco Networking Academy organized Online Certificate Course "Programming Essentials in C" during 03-02-2021 to 01-06-2021. 54 students registered and 39 students completed this course and got E-Certificates.

Brochure:

PVKN Govt. College(A), Chittoor
Department of Computer Science
Value added Course 2020-21

Cisco Networking Academy Online Course
"Programming Essentials in C"
(03-02-2021 to 01-06-2021)

Instructional Hours: 30 No. of Credits: 2

Course Learning Outcomes:

At the end of the course student will be able to

1. Understand the Universal Concepts of Computer Programming.
2. Demonstrate the Syntax and Semantics of the C language, as well as the Data Types in C language.

Course Coordinator
M ISMAIL

PRINCIPAL
Dr. G. ANANDA REDDY

Course syllabus

CE1: C Essentials – Part 1

Module 0: Installing And Using Your Programming Environment

Introduction to IDE

Online tools

Edube Interactive

Module 1: Absolute Basics - Introduction to Computer Programming

languages: natural and artificial,

machine languages,

high-level programming languages,

obtaining the machine code: compilation process,

writing simple programs,

variables,

integer values in real life and in C,

integer literals,

comments.

Module 2: Data Types, operations, and the basics of flow control

floating-point values in real life and in C,

float literals,

arithmetic operators,

priority and binding,

post- and pre-incrementation, decrementation,

operators of type op=,

the *char* type and ASCII code,

char literals,

equivalence of *int* and *char* data,

comparison operators,

conditional execution and if keyword,

the *printf()* and *scanf()* functions

Module 3: Flow Control (continued), more data types, computer logic

conditional execution: the *else* branch,

integer and float types,

conversions,

typecast and its operators,

loops: *while*, *do*, and *for*,

controlling the loop execution: *break* and *continue*,

logical and bitwise operators.

Module 4: Aggregating Data Into Arrays

switch: different faces of 'if',

arrays (vectors),

sorting in real life and computer memory,

initiators,

pointers,

an address, a reference, a dereference and the *sizeof* operator,

simple pointers, pointers to nothing (*NULL*),

the & operator,

pointer arithmetic,

pointers vs. arrays: different forms of the same phenomenon,

strings,

string manipulation.

Module 5: Memory Management And Structures

array indexing,

using pointers: perils and disadvantages,

the *void* type,

arrays of arrays and multidimensional arrays,

memory allocation and deallocation: the *malloc()* and *free()* functions,

arrays of pointers vs. multidimensional arrays,

structures,

declaring, using and initializing structures,

pointers to structures and arrays of structures,

the basics of recursive data collections.

List of Students:

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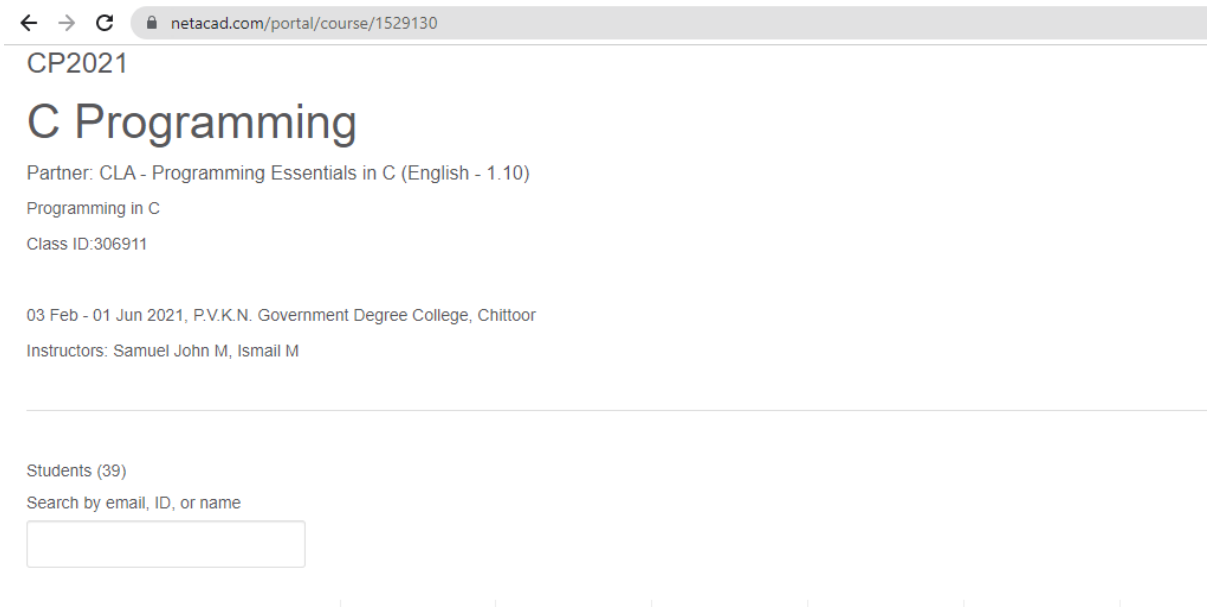
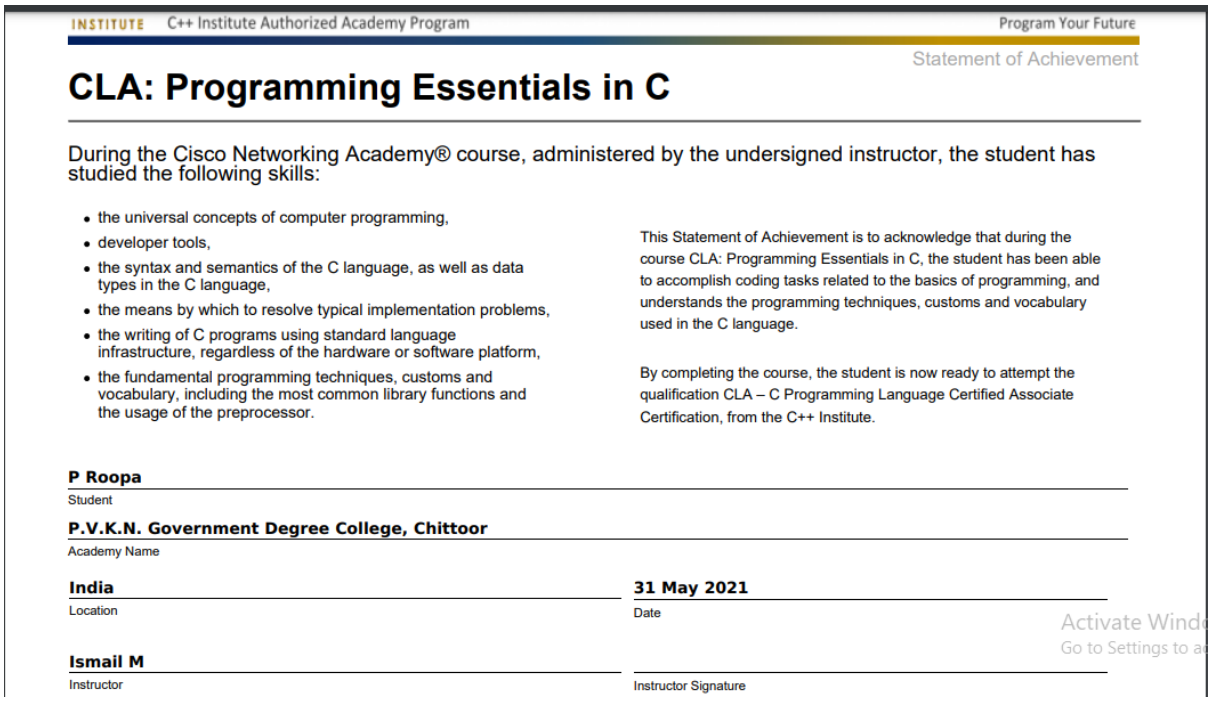
Certificates Link:

https://drive.google.com/drive/folders/15FjUT2uCCDsPUGzK6naw6w9RmjoVNCYj?usp=share_link




INSTITUTE C++ Institute Authorized Academy Program — Program Your Future

Statement of Achievement

CLA: Programming Essentials in C

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student has studied the following skills:

- the universal concepts of computer programming,
- developer tools,
- the syntax and semantics of the C language, as well as data types in the C language,
- the means by which to resolve typical implementation problems,
- the writing of C programs using standard language infrastructure, regardless of the hardware or software platform,
- the fundamental programming techniques, customs and vocabulary, including the most common library functions and the usage of the preprocessor.

This Statement of Achievement is to acknowledge that during the course CLA: Programming Essentials in C, the student has been able to accomplish coding tasks related to the basics of programming, and understands the programming techniques, customs and vocabulary used in the C language.

By completing the course, the student is now ready to attempt the qualification CLA – C Programming Language Certified Associate Certification, from the C++ Institute.

P Roopa
Student

P.V.K.N. Government Degree College, Chittoor
Academy Name

India
Location

31 May 2021
Date

Ismail M
Instructor

Instructor Signature

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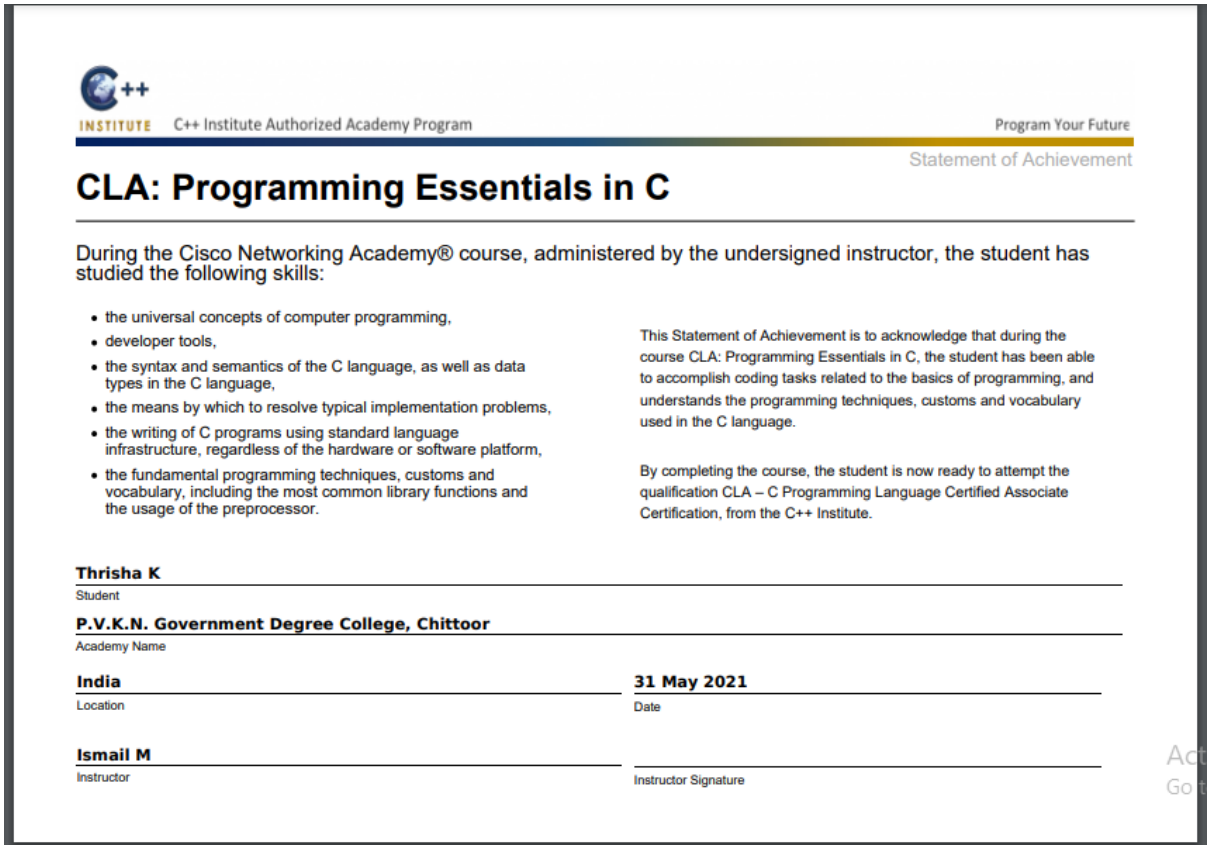

C++ INSTITUTE C++ Institute Authorized Academy Program — Program Your Future

Statement of Achievement

CLA: Programming Essentials in C

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Thrisha K
Student

P.V.K.N. Government Degree College, Chittoor
Academy Name

India — Location
31 May 2021 — Date

Ismail M — Instructor
Instructor Signature

PVKN Govt. College (A), Chittoor

Department of Computer Science

A.Y. 2020 - 2021

Cisco Networking Academy Online Certificate Course

“Programming Essentials in Python”

(17-06-2021 to 10-07-2021)

Department of Computer Science in association with Cisco Networking Academy organized Online Certificate Course “Programming Essentials in Python” during 17-06-2021 to 10-07-2021. 98 Students registered and 37 students completed this course and got E-Certificates.

Brochure

PVKN Govt. College(A), Chittoor
Department of Computer Science
Value added Course 2020-21

Cisco Networking Academy Online Course
"Programming Essentials in Python"
(17-06-2021 to 10-07-2021)

Instructional Hours: 30 No. of Credits: 2

Course Learning Outcomes:

At the end of the course student will be able to

1. Knows the important concepts of computer programming, including variables, data structures, algorithm, control flow etc.
2. Understands the fundamentals of object-oriented programming(OOP) and the way they are adopted in python.

Course Coordinator
M ISMAIL

PRINCIPAL
Dr. G. ANANDA REDDY

Course syllabus

Module 1 - Introduction to Python and Computer Programming

Python - a tool, not a reptile

There is more than one Python

Let's start our Python adventure

Module 2 - Data Types, Variables, Basic Input-Output Operations, Basic Operators

Your first program

Python literals

Operators - data manipulation tools

Variables - data-shaped boxes

How to talk to computer?

Module 3 - Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations

Making decisions in Python

Python's loops

Logic and bit operations in Python

Lists - collections of data

Sorting simple lists - the bubble sort algorithm

Lists - some more details

Lists in advanced applications

Module 4 - Functions, Tuples, Dictionaries, and Data Processing

Writing functions in Python

How functions communicate with their environment?

Returning a result from a function

Scopes in Python

Let's make some fun... sorry, functions

Tuples and dictionaries

List of Students:

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Certificates Link:

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CODE_RIDERS_(PVKN GDC, Chittoor)_(PCAP - Programming Essentials in Python)

CODE_RIDERS_(PVKN GDC, Chittoor)_(PCAP - Programming Essentials in Python)

Partner: PCAP - Programming Essentials in Python (English - 2.00 - For public campaigns)

Python Programming

Class ID:616027

17 Jun - 10 Jul 2021, P.V.K.N. Government Degree College, Chittoor

Instructors: Ismail M

Course Facilitators: SHUBHAJIT JAGADEV

Students (37)

Search by email, ID, or name

PYTHON INSTITUTE
Open Education & Development Group

OpenEDG Python Institute Authorized Academy Program

OPENEDG

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

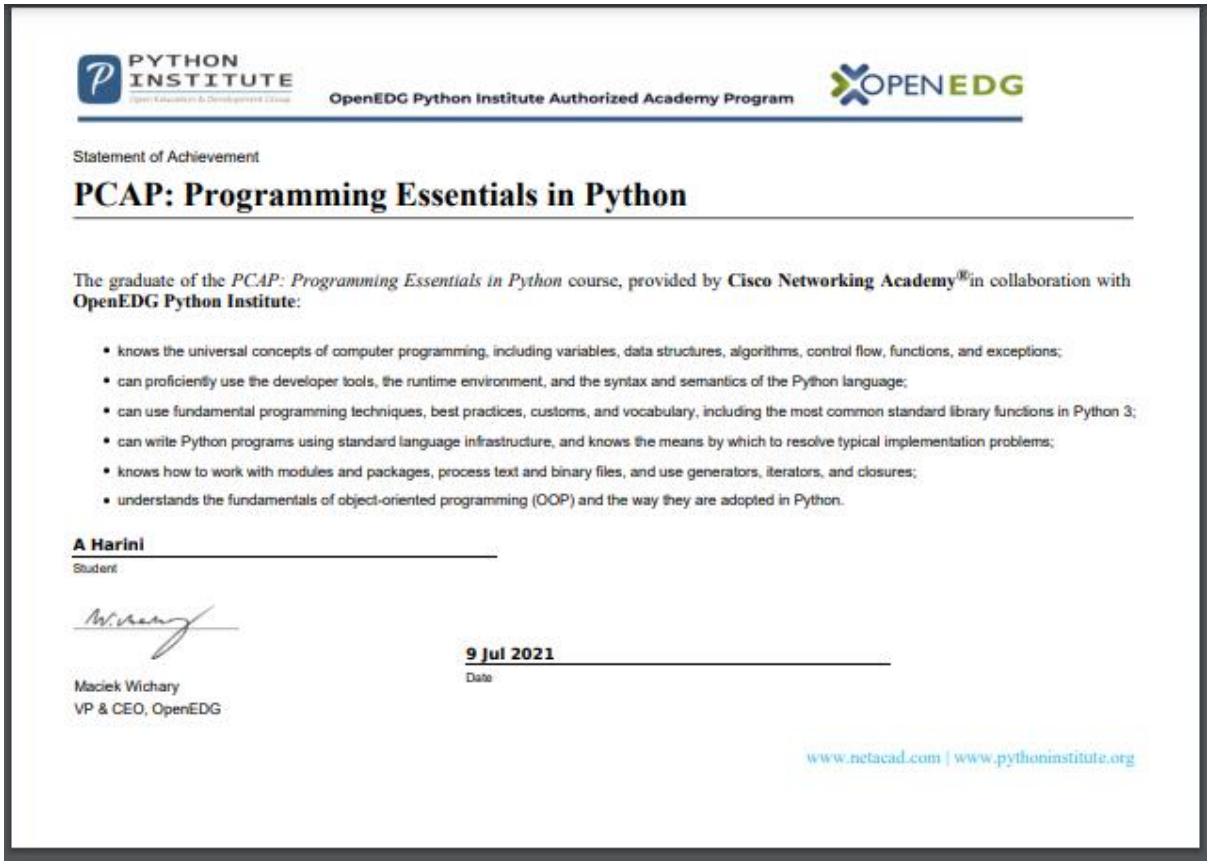
- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Aduru Mahesh
Student

Maciek Wichary
VP & CEO, OpenEDG

5 Jul 2021
Date

www.netacad.com | www.pythoninstitute.org



PYTHON INSTITUTE

OpenEDG Python Institute Authorized Academy Program

OPENEDG

Statement of Achievement

PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

A Harini
Student

Maciek Wichary
VP & CEO, OpenEDG

9 Jul 2021
Date

www.netacad.com | www.pythoninstitute.org

PVKN Govt. College (A), Chittoor

Department of Computer Science

Cisco Networking Academy Online Certificate Course

"Introduction to Networks"

(21-09-2021 to 30-11-2021)

Department of Computer Science in association with Cisco Networking Academy organized Online Certificate Course "Introduction to Networks" during 21-09-2021 to 30-11-2021. 28 students registered and 26 students completed this course and got E-Certificates.

Brochure:

PVKN Govt. College(A), Chittoor
Department of Computer Science
Value added Course 2021-22

Cisco Networking Academy Online Course
"Introduction to Networks"
(21-09-2021 to 30-11-2021)

Instructional Hours: 30 No. of Credits: 2

Course Learning Outcomes:

At the end of the course student will be able to

1. Configure a small network with security best practices.
2. Troubleshoot connectivity in a small network

Course Coordinator
M ISMAIL

PRINCIPAL
Dr. G. ANANDA REDDY

Course syllabus

1 - Networking Today

1.0 - Introduction

1.1 - Networks Affect our Lives

1.2 - Network Components

1.3 - Network Representations and Topologies

1.4 - Common Types of Networks

1.5 - Internet Connections

1.6 - Reliable Networks

1.7 - Network Trends

1.8 - Network Security

1.9 - The IT Professional

2 - Basic Switch and End Device Configuration

2.0 - Introduction

2.1 - Cisco IOS Access

2.2 - IOS Navigation

2.3 - The Command Structure

2.4 - Basic Device Configuration

2.5 - Save Configurations

2.6 - Ports and Addresses

2.7 - Configure IP Addressing

2.8 - Verify Connectivity

3 - Protocols and Models

3.0 - Introduction

3.1 - The Rules

3.2 - Protocols

3.3 - Protocol Suites

3.4 - Standards Organizations

3.5 - Reference Models

3.6 - Data Encapsulation

3.7 - Data Access

List of Students:

First Name	Last Name	Email	Complete (Y/N)
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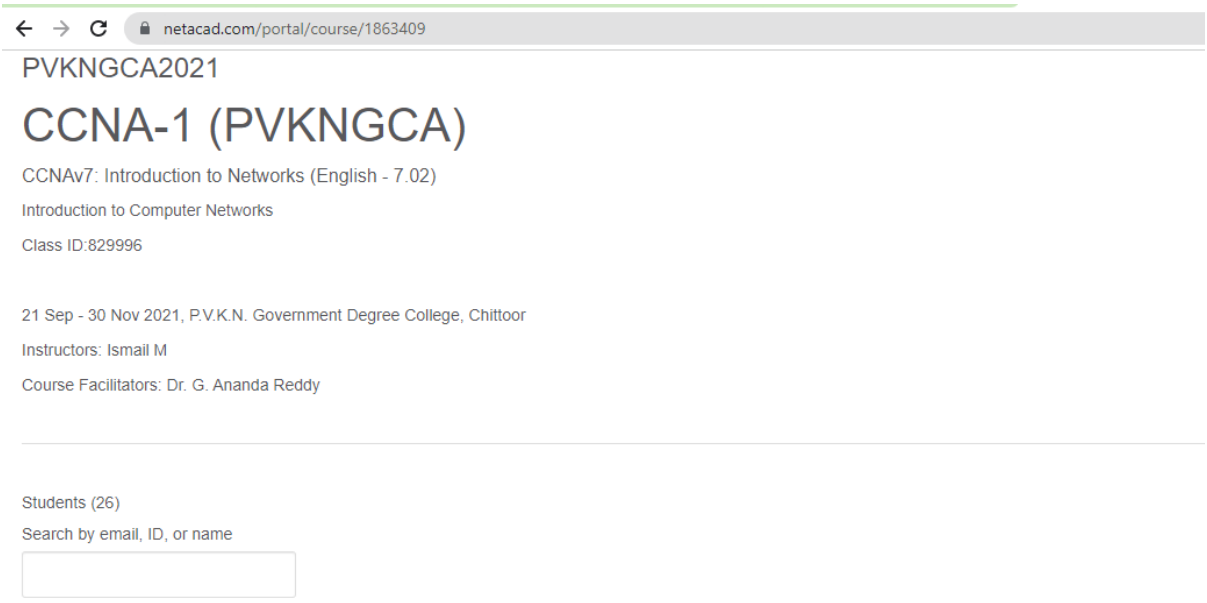
Certificates Link:

https://drive.google.com/drive/folders/1c0ViG6QQFaTpoeiMXZNcH_ohWVShtBEf?usp=share_link



Corporate Social Responsibility

Certificate of Course Completion

Cisco Networking Academy

CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

Srisudha T

Student

P.V.K.N. Government Degree College, Chittoor

Academy Name

India

Location

7 Nov 2021

Date

Ismail M

Instructor

Instructor Signature

Corporate Social Responsibility

Certificate of Course Completion

Cisco Networking Academy

CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

A Likith Reddy

Student

P.V.K.N. Government Degree College, Chittoor

Academy Name

India

Location

7 Nov 2021

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Instructor Signature

PVKN Govt. College (A), Chittoor

Department of Computer Science

Cisco Networking Academy Online Certificate Course

"Introduction to Cyber Security"

(01-01-2022 to 13-02-2022)

Department of Computer Science in association with Cisco Networking Academy organized Online Certificate Course "Introduction to Cyber Security" during **01-01-2022 to 13-02-2022**. 31 students registered and 23 students completed this course and got E-Certificates.

Brochure

PVKN Govt. College(A), Chittoor
Department of Computer Science
Value added Course 2021-22

Cisco Networking Academy Online Course
"Introduction to Cyber Security"
(01-01-2022 to 13-02-2022)

Instructional Hours: 30 No. of Credits: 2

Course Learning Outcomes:

At the end of the course student will be able to

1. Understand impact of cyber attacks on industries.
2. Understand global implications of cyber threats.

Course Coordinator
M ISMAIL

PRINCIPAL
Dr. G. ANANDA REDDY

Course syllabus

Chapter 1
The Need for Cybersecurity

1.0 Introduction

1.0.1 Welcome

1.0.1.1 Chapter 1: The Need for Cybersecurity

1.1 Personal Data

1.1.1 Introduction to Personal Data

1.1.1.1 What is Cybersecurity?

1.1.1.2 Your Online and Offline Identity

1.1.1.3 Your Data

1.1.1.4 Where is Your Data?

1.1.1.5 Your Computing Devices

1.1.2 Personal Data as a Target

1.1.2.1 They Want Your Money

1.1.2.2 They Want Your Identity

1.2 Organizational Data

1.2.1 Introduction to Organizational Data

1.2.1.1 Types of Organizational Data

1.2.1.2 Confidentiality, Integrity, and Availability

1.2.1.3 Lab – Compare Data with a Hash

1.2.2 The Impact of a Security Breach

1.2.2.1 The Consequences of a Security Breach

1.2.2.2 Security Breach Example 1

1.2.2.3 Security Breach Example 2

1.2.2.4 Security Breach Example 3

1.2.2.5 Lab – What Was Taken?

1.3 Attackers and Cybersecurity Professionals

1.3.1 The Profile of a Cyber Attacker

1.3.1.1 Types of Attackers

1.3.1.2 Internal and External Threats

1.4 Cyberwarfare

1.4.1 Overview of Cyberwarfare

1.4.1.1 What is Cyberwarfare?

1.4.1.2 The Purpose of Cyberwarfare

Chapter 2
Attacks, Concepts and Techniques

2.1 Analyzing a Cyberattack

2.1.1 Security Vulnerability and Exploits

2.1.1.1 Finding Security Vulnerabilities

2.1.2 Types of Security Vulnerabilities

2.1.2.1 Categorizing Security Vulnerabilities

2.1.2.2 Activity – Identify Vulnerability Terminology

2.1.3 Types of Malware and Symptoms

2.1.3.1 Types of Malware

2.1.3.2 Symptoms of Malware

2.1.3.3 Activity – Identify Malware Types

2.1.4 Methods of Infiltration

2.1.4.1 Social Engineering

2.1.4.2 Wi-Fi Password Cracking

2.1.4.3 Phishing

2.1.4.4 Vulnerability Exploitation

2.1.5 DoS, DDos, and SEO

2.1.5.1 DoS

2.1.5.2 DDoS

2.1.5.3 SEO Poisoning

2.1.5.4 Activity – Identify the Attack Type

2.2 The Cybersecurity Landscape

2.2.1 Blended Attack

2.2.1.1 What is a Blended Attack?

2.2.2 Impact Reduction

2.2.2.1 What is Impact Reduction?

Chapter 3
Protecting Your Data and Privacy

3.1 Protecting Your Data

3.1.1 Protecting Your Devices and Network

3.1.1.1 Protect Your Computing Devices

3.1.1.2 Use Wireless Networks Safely

3.1.1.3 Use Unique Passwords for Each Online Account

3.1.1.4 Use Passphrase Rather Than a Password

3.1.1.5 Lab – Create and Store Strong Passwords

3.1.2 Data Maintenance

3.1.2.1 Encrypt Your Data

3.1.2.2 Back up Your Data

3.1.2.3 Lab – Back up Data to External Storage

3.1.2.4 Deleting Your Data Permanently

3.1.2.5 Lab – Who Owns Your Data?

3.2 Safeguarding Your Online Privacy

3.2.1 Strong Authentication

3.2.1.1 Two Factor Authentication

3.2.1.2 OAuth 2.0

3.2.2 Sharing Too Much Information?

3.2.2.1 Do Not Share Too Much on Social Media

3.2.2.2 Email and Web Browser Privacy

3.2.2.3 Lab – Discover Your Own Risky Online Behavior

Chapter 4
Protecting the Organization

4.1 Firewalls

4.1.1 Firewall Types

4.1.1.1 Firewall Types

4.1.1.2 Activity – Identify the Firewall Type

4.1.1.3 Port Scanning

4.1.1.4 Activity – Identify the Port Scan Response

4.1.2 Security Appliances

4.1.2.1 Security Appliances

4.1.2.2 Activity – Identify the Security Appliance

4.1.3 Detecting Attacks in Real Time

4.1.3.1 Detecting Attacks in Real Time

4.1.4 Detecting Malware

4.1.4.1 Protecting Against Malware

4.1.5 Security Best Practices

4.1.5.1 Security Best Practices

4.2 Behavior Approach to Cybersecurity

4.2.1 Botnet

4.2.1.1 Botnet

4.2.2 Kill Chain

4.2.2.1 The Kill Chain in Cyberdefense

4.2.2.2 Activity – Order the Stages of the Kill Chain

4.2.3 Behavior-Based Security

4.2.3.1 Behavior-Based Security

4.2.4 NetFlow and Cyberattacks

4.2.4.1 NetFlow

4.3 Cisco's Approach to Cybersecurity

4.3.1 CSIRT

4.3.1.1 CSIRT

4.3.2 Security Playbook

4.3.2.1 Security Playbook

4.3.3 Tools for Incident Prevention and Detection

4.3.3.1 Tools for Incident Prevention and Detection

4.3.4 IDS and IPS

4.3.4.1 IDS and IPS

4.3.4.2 Activity – Identify Cybersecurity Approach Terminology

List of Students:

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Certificates Link:

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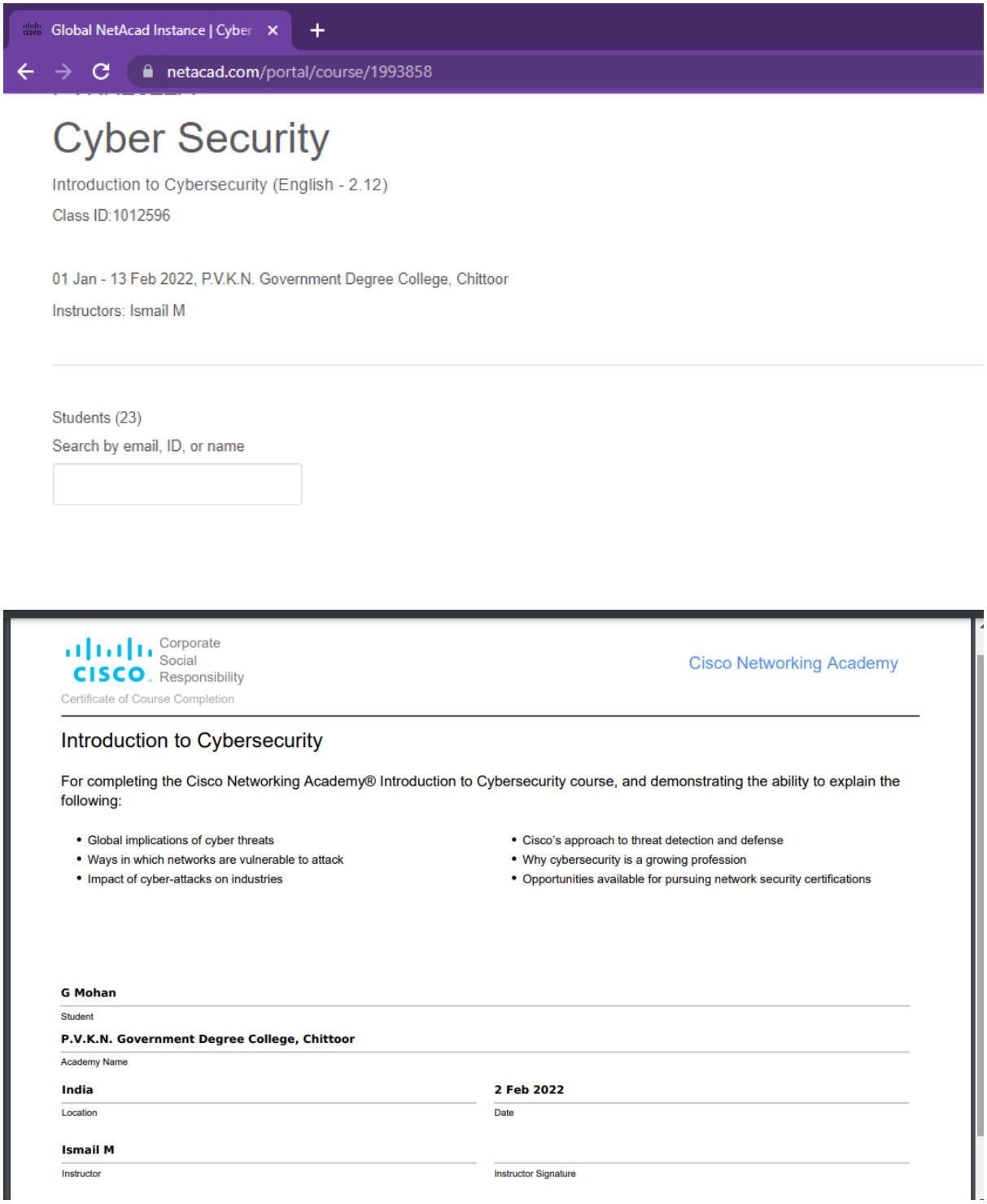
Global NetAcad Instance | Cyber
netacad.com/portal/course/1993858
Cyber Security
Introduction to Cybersecurity (English - 2.12)
Class ID:1012596
01 Jan - 13 Feb 2022, P.V.K.N. Government Degree College, Chittoor
Instructors: Ismail M
Students (23)
Search by email, ID, or name
Corporate Social Responsibility
Certificate of Course Completion
Cisco Networking Academy
Introduction to Cybersecurity
For completing the Cisco Networking Academy® Introduction to Cybersecurity course, and demonstrating the ability to explain the following:
Global implications of cyber threats
Ways in which networks are vulnerable to attack
Impact of cyber-attacks on industries
Cisco's approach to threat detection and defense
Why cybersecurity is a growing profession
Opportunities available for pursuing network security certifications
G Mohan
Student
P.V.K.N. Government Degree College, Chittoor
Academy Name
India
Location
2 Feb 2022
Date
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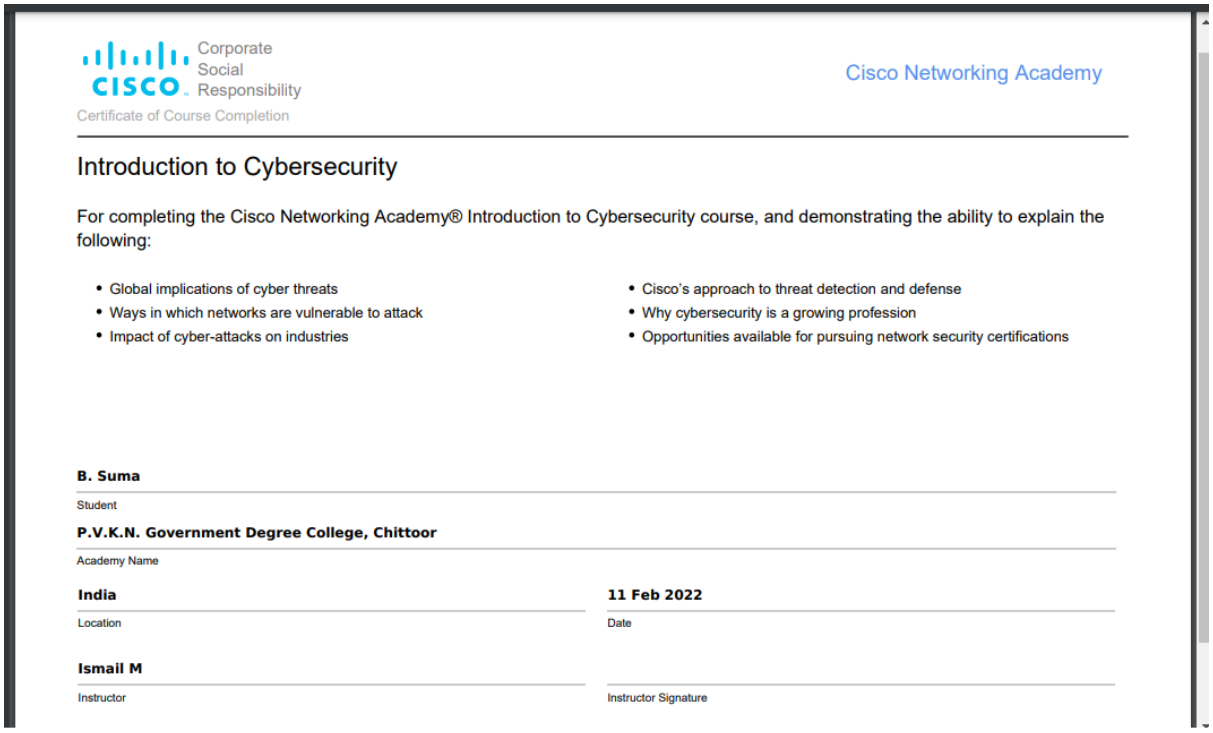
Instructor
Instructor Signature



Corporate Social Responsibility

Cisco Networking Academy

Certificate of Course Completion

Introduction to Cybersecurity

For completing the Cisco Networking Academy® Introduction to Cybersecurity course, and demonstrating the ability to explain the following:

- Global implications of cyber threats
- Ways in which networks are vulnerable to attack
- Impact of cyber-attacks on industries
- Cisco's approach to threat detection and defense
- Why cybersecurity is a growing profession
- Opportunities available for pursuing network security certifications

B. Suma

Student

P.V.K.N. Government Degree College, Chittoor

Academy Name

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Location

11 Feb 2022

Date

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Instructor

Instructor Signature

PVKN Govt. College (A), Chittoor

Department of Computer Science

Cisco Networking Academy Online Certificate Course

"Introduction to IoT"

(31-01-2022 to 13-03-2022)

Department of Computer Science in association with Cisco Networking Academy organized Online Certificate Course "Introduction to IoT" during **31-01-2022 to 13-03-2022**. 45 students completed this course and got E-Certificates.

Brochure:

PVKN Govt. College(A), Chittoor
Department of Computer Science
Value added Course 2021-22

Cisco Networking Academy Online Course
"Introduction to IoT"
(31-01-2022 to 13-03-2022)

Instructional Hours: 30 No. of Credits: 2

Course Learning Outcomes:

At the end of the course student will be able to

1. Explain how IoT and Digital Transformation are positively impacting businesses and governments.
2. Explain the Importance of software and data for digital businesses and society.

Course Coordinator
M ISMAIL

PRINCIPAL
Dr. G. ANANDA REDDY

Course syllabus

Chapter 1: What is the Internet of Things?
Part 1.0 Introduction
Part 1.1 Internet of Things
Part 1.2 The value of the IoE
Part 1.3 Globally connected
Chapter 2 The elements of the IoE
Part 2.0 Introduction
Part 2.1 Things as an element
Part 2.2 Data as an element
Part 2.3 People as an element
Part 2.4 Process as an element
Chapter 3 Connect what is not connected
Part 3.0 Introduction
Part 3.1 Introduction to the Cisco IoT system
Part 3.2 Introduction to configuring things
Part 3.3 Computer programming
Part 3.4 The prototyping of your ideas
Chapter 4 The transition to the IoE
Part 4.0 Introduction
Part 4.1 The connections of the IoE
Part 4.2 Deploy an IoE solution
Part 4.3 Security and the IoE
Chapter 5 Integrate everything
Part 5.0 Introduction
Part 5.1 Modeling an IoE solution
Part 5.2 Digitally transform everything

List of Students:

Certificates Link:

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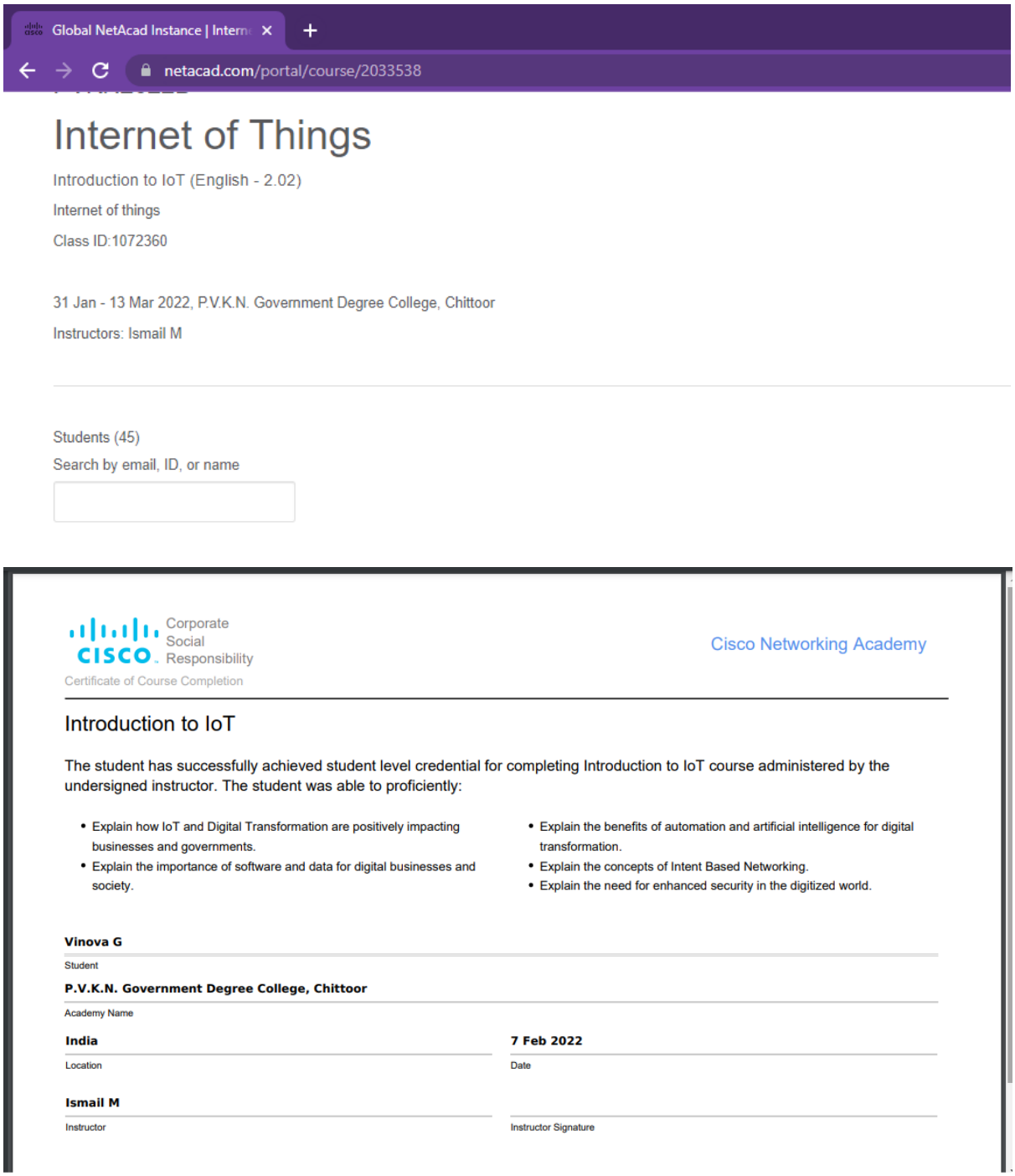

Corporate Social Responsibility

Certificate of Course Completion

Cisco Networking Academy

Introduction to IoT

The student has successfully achieved student level credential for completing Introduction to IoT course administered by the undersigned instructor. The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

Kishore P

Student

P.V.K.N. Government Degree College, Chittoor

Academy Name

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Location

8 Feb 2022

Date

Ismail M

Instructor

Instructor Signature