GPCET

Pioneering Innovative Education

3.4.1 The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year 2020-21

Sl. No.	Title of the collaborative activity	Name of the collaborating / linking agency with contact details	Name of the participant	Year of collaboration	Duration
1	CM'S SKILLS EXCELLENCE CENTRE	Andhra Pradesh State Skill Development Centre	CE, CSE, ECE, ME, EEE	2021	02 Days
2	AUTOCAD	Andhra Pradesh State Skill Development Centre	CE	2020	5DAYS
3	python	Andhra Pradesh State Skill Development Centre	CSE	2020	6days
4	Internet of things fundamentals	Andhra Pradesh State Skill Development Centre	CSE, ECE	2021	6days
5	Amazon webservices (AWS)	Andhra Pradesh State Skill Development Centre	CSE	2020	3days
6	Progreessive web apps	Andhra Pradesh State Skill Development Centre	CSE	2021	6days
7	Google Andriod fundamentals	Andhra Pradesh State Skill Development Centre	CSE	2020	6days
8	Data structures and algorithms	Andhra Pradesh State Skill Development Centre	CSE	2021	6days
9	Cisco Academy CCNA Instructor(Modules 1,2 & 3)	EduSkills Foundation,Bhubaneswar,odisha-751024	CSE	2020	30 Days
10	Cisco Academy CCNA Instructor(Modules-3)	EduSkills Foundation,Bhubaneswar,odisha-751025	CSE	2020	07 Days

PRINCIPAL
G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518452(A.P)

G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)

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Landline : 08518 285011/88 Fax:08518 285033, Mobile: 9246922869

Email: principal@gpcet.ac.in, Website: www.gpcet.ac.in

11	Blue Prism Cloud Foundation	EduSkills Foundation,Bhubaneswar,odisha-751027	CSE	2020	06 Days
12	Red Hat Academy RHCSA	EduSkills Foundation,Bhubaneswar,odisha-751028	CSE	2020	07 Days
13	Palo Alto Networks Cyber Security Academy	EduSkills Foundation,Bhubaneswar,odisha-751029	CSE	2020	05 Days
14	Embedded systems	Andhra Pradesh State Skill Development Centre	ECE	2021	one day
15	AWS Academy Cloud Foundation	EduSkills Foundation,Bhubaneswar,odisha-751026	CSE,ECE	2021	05 Days
16	Industrial IoT	Wipro 3D, Bangalore	ECE	2020	17 Days
17	Workshop on Modern tools for Real Time Applications	Madblocks	ECE	2021	05Days

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Report on

CM'S SKILLS EXCELLENCE CENTRE

G.Pullaih College of Engineering and Technology, Kurnool in association with Andhra Pradesh State Skill Development Centre (APSSDC) conducted a two-day workshop on CM's Skills Excellence Centre during 1st June 2021 to 2nd June 2021 for II year B.Tech students of Computer Science and Engineering, Civil Engineering, Mechanical Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering. The students were imparted with basic knowledge on Enterprenurship, building the vocational and technical training framework, skill up-gradation, building of new skills, etc. All the students participated in the workshop enthusiastically and also expressed full satisfaction in attending the workshop and their interest in attending such kinds in future also.

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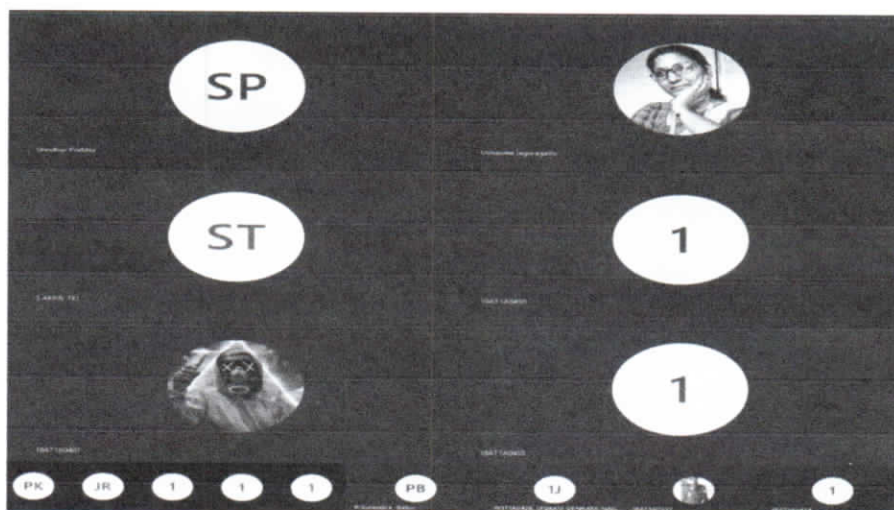(Autonomous)

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Report on

Autocad Workshop

The Department of Civil Engineering, G. Pullaiah College of Engineering and Technology (GPCET) has conducted a 5 Day workshop on AutoCAD during 04th August 2020 to 08th August 2020. In this workshop a total of 69 members have participated actively and they learned the topics like Auto CAD Interface, Block, W-block, X-attach and X-Ref., Sketch Entities and Sketch Tools, Sketch Visualization and Sketch Analysis, Dimensions and Dimension Styles. At the end of the workshop all the participants expressed their happiness and greetings to the organisers for conducting the workshop on useful technology.
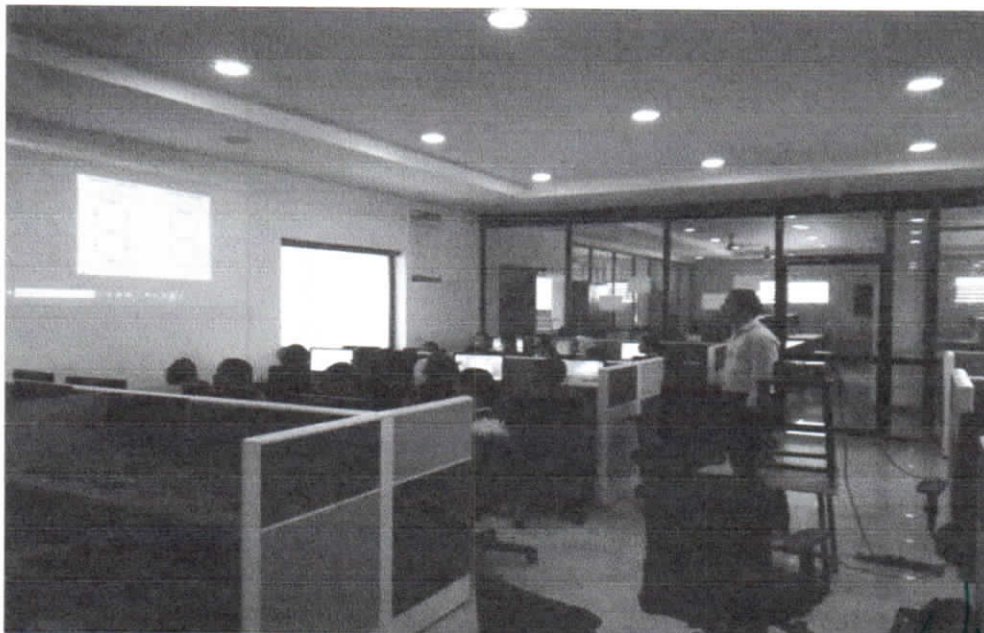

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Report on

A Six Day Workshop on Internet of things fundamentals

A six day workshop on Internet of things fundamentals is organized by ECE department in association with APSSDC for II year ECE and CSE students during April 24-29, 2021. The workshop has been conducted in DSP and Embedded system Laboratories, ECE department, Block 3 from 9AM to 4 PM. For the benefit of the students all the sessions were hands on and interactive. The resource persons, B. Mahidhar, Fayazuddin Darji and Bakiru Suresh Kumar APSSDC, covered various concepts of Embedded systems including Introduction to 8051 family, Introduction to Keil- IDE & Proteus 8, Embedded C Programming, Arduino Programming, Arduino & LCD Based Projects, Interfacing of Seven segment Display with Arduino, Interfacing of sensors with Arduino-LDR. The resource persons made the sessions as interactive and also clarified the student's doubts. At the end of workshop students expressed their feedback as good. Also, resource person appreciated the effort and interest shown by students towards learning the concepts related to the IoT.

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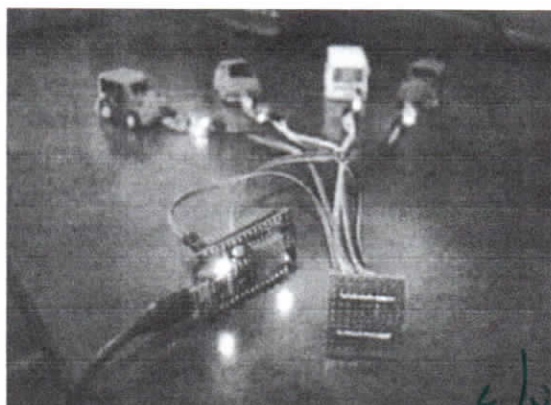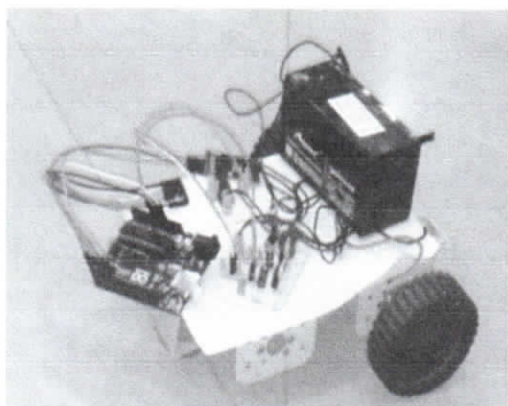Email: principal@gpcet.ac.in, Website: www.gpcet.ac.in

Report on

A Five Day Workshop on Modern Tools for Real Time Applications

Department of Electronics and Communication Engineering, G. Pullaiah College of Engineering and Technology, Kurnool conducted a five day workshop on Modern Tools for Real Time Applications for II year B.Tech students in association with Madblocks Technologies, Hyderabad during April 5-9, 2021. The resource persons are Mr. Srikanth Narahari and Mr. Ankit Jain from the Madblocks, Hyderabad. The students were taught with basic knowledge on Internet of Things, Augmented Reality, Drones and Robotics, Cyber Security etc. All the students participated in the workshop enthusiastically and also developed various model employing the concepts of above mentioned technologies. The students expressed full satisfaction in attending the workshop and they expressed their interest in attending such kind of workshops in future.

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Report On

INDUSTRIAL INTERNET OF THINGS (IIOT)

Department of ECE, GPCET has conducted a three week Training Programme on "Industrial Internet of Things" from 10-31 December 2020 in co-operation with Wipro 3-D. The total number of participants is 80. The following are the details of speakers present.

Day/ Date	Session (10AM-12PM)	Resource Person
1. 10-Dec	Program Orientation – IOT, Industrial IOT, Additive Manufacturing and Industry 4.0	Dr. U Chandrasekhar, Srikanth, Sridhar Prabhu and Sridharan
2. 11-Dec	**Theory**: Applications of IOT Devices, Cyber-Physical Systems and Emergence of Wearables. Outlining of Major IOT and AM Skill Recruiters in Indian and Global Contexts **Practical:** Usage of IOT Enabled Remote Monitoring of Heavy Vehicles. Technology involved in wearables and Medical Device	Srikanth/ Sridhar
3. 12-Dec	**Theory:** Industrial Sensors and PLCs- Acceleration, Temperature, Flow, Pressure, Colour and Humidity (Pepperell Fuchs, IFM, Turck, Keyence and Banner) (Delta, Siemens, Mitsubishi, Allen Bradley and Omron) **Practical:** Demonstration of the IIOT Practice in Solar power plant monitoring	Srikanth/ Sridhar
4. 14-Dec	**Theory:** Industry 4.0 Architecture and Network Integration of device platform with database. Need of Platform for SCADA and non-SCADA systems. Emergence of Single board computers **Practical:** Demonstration of Food processing Industry, Intelligent sensor. Application of Single board computers and integration	Srikanth/ Sridhar
5. 15-Dec	**Theory:** Telemetry and Transport, Wireless Data communication and Edge Devices. Azure, AWS, Google Cloud Platform **Practical:** Demonstration case study of Oil and Natural Gas Rig. Insights of AWS, Azure and Google solutions	Srikanth/ Sridhar

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6. 16-Dec	**Theory:** IOT for processing, storage, and analysing data. Edge devices, edge cloud and edge networks **Practical:** Connecting edge devices to cloud. Design and architecture. Demonstration case study of Freezer Trucks and trailers	Srikanth/ Sridhar
7. 17-Dec	**Theory:** Communication Protocols - Zigbee, Z-Wave, LoRaWAN, and Bluetooth Low-Energy, Sigfox **Practical:** Usage of Zigbee, Blouetooth and LoRa for IoT Applications	Rajesh M, NIELIT
8. 18-Dec	**Theory:** Machine-to-Machine communication using MQTTBroker, CoAP, AMQP, XMPP **Practical:** Demonstration of MQTT broker, publish and subscribe applications.	Rajesh M, NIELIT
9. 19-Dec	**Theory:** Data flow from edge node device to gateway database. **Practical:** Demonstration of flow of data from IoT edge node to dash boards.	Rajesh M, NIELIT
10. 21-Dec	**Theory:** IIOT Networks Security and data Encryption. Dash boarding through open tools **Practical:** Case studies IoT Security and data Encryption	Nandakumar R / Rajesh M, NIELIT
11. 22-Dec	**Theory:** Data Analysis and Data Analytics principles. Data Visualization and Analysis – ThingWorx, RFID, ThingsBoard **Practical:** Demonstration of data visualisation tools	Vimala Mathew / Prasoon Kumar G, NIELIT
12. 23-Dec	**Theory:** Artificial Intelligence, Machine Learning and Deep Learning. Data driven analytics and Real-Time Data Visualization. **Practical:** Case studies of AI, ML & DL in Industrial context	Vimala Mathew, NIELIT
13. 24-Dec	**Theory:** Application of IIOT and Industry 4.0 in the following industrial sectors - Aerospace, defence, Energy, Oil & Gas and Automotive. **Practical:** Virtual Factory Tour of Wipro 3D plant and Metal AM Process	Dr. U Chandrasekhar, Wipro3D
14. 28-Dec	**Theory:** Additive Manufacturing Technologies – ISO/ASTM classification, Additive manufacturing in Robotics. **Practical:** Demonstration of AM Process and its significance	Dr Sajan Kapil, Indian Institute of Technology Guwahati

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15. 29-Dec	**Theory:** Utilization of open sources for Computer Aided Process Planning of Additive Manufacturing **Practical:** Demonstration of Software toolchain and operation	Dr Sajan Kapil, Indian Institute of Technology Guwahati
16. 30-Dec	**Theory:** Value addition to the product development cycle through part consolidation and additive engineering **Practical:** Computer Aided Process Planning for Multi-Axis Additive Manufacturing	Dr Sajan Kapil, Indian Institute of Technology Guwahati
17. 31-Dec	**Theory:** Topology Optimization, 3D Scanning and Point Cloud Data Generation. Additive Engineering Approach **Practical:** Demonstration of Industrial Metal AM based solution for development of Aerospace and Automotive Parts	Dr. U Chandrasekhar, Wipro3D

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ı|ı.ı|ı. Networking Academy
CISCO

28 May 2020

Dear Suman prakash Perumalla,

I want to congratulate you on completing the Cisco® **CCNAv7: Introduction to Networks** course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for tremendous career opportunities.

You have achieved instructor level credential for completing CCNAv7: Introduction to Networks, and acquired the following capabilities:

- 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.

In today's world, technical literacy is more important than ever, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain digital networks.

Keep up the great work and best wishes for continued future success.

Sincerely,

Chuck Robbins

Chuck Robbins
Chairman and Chief Executive Officer
Cisco

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G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)

Certificate of Course Completion

CCNAv7: Introduction to Networks

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Suman prakash Perumalla

Learner

EduSkills Foundation

Instructor Training Center

India

Location

SHUBHAJIT JAGADEV

Instructor Trainer

28 May 2020

Date

Instructor Trainer Signature

PRINCIPAL
G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)

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Cisco Networking Academy

Certificate of Course Completion

CCNAv7: Switching, Routing, and Wireless Essentials

The learner has successfully achieved instructor level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor trainer. The learner was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.

- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

Suman Prakash

Learner

EduSkills Foundation

Instructor Training Center

India

Location

MITU SWAIN

Instructor Trainer

3 Jun 2020

Date

Instructor Trainer Signature

PRINCIPAL
G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)

3 Jun 2020

Dear Suman Prakash,

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Sincerely,

Chuck Robbins
Chairman and Chief Executive Officer
Cisco

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Certificate of Course Completion

Cisco Networking Academy

CCNAv7: Introduction to Networks

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

Suman Prakash

Learner

EduSkills Foundation

Instructor Training Center

India

Location

SHUBHAJIT JAGADEV

Instructor Trainer

28 May 2020

Date

Instructor Trainer Signature

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G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)

M Gmail   kct swamy <kctswamy@gmail.com>

Fwd: Internship Selection Update | 14 Student(s) Hired From Your College Last Week

1 message

Dean <placementofficer@gpcet.ac.in>   Thu, Mar 24, 2022 at 9:53 AM
To: kct swamy <kctswamy@gmail.com>

---------- Forwarded message ---------
From: **Internshala University Relations** <university.relations@internshala.com>
Date: Mon, Jan 25, 2021 at 11:11 AM
Subject: Internship Selection Update | 14 Student(s) Hired From Your College Last Week
To: <placementofficer@gpcet.ac.in>

Dear Prof. Giridhar Kumar M,

I am happy to inform you that the following student(s) from G Pullaiah College Of Engineering And Technology have been hired for an internship listed on Internshala, since last week.

List of the selected student(s) -

Student Name	Email address	Graduation Year	Company Name	Stipend
Sadaf Aamena	sadafaamena@gmail.com	2020	TalentServe	INR 3000-6000 /month
Yerramala Rajeshwari	rajiyerramala@gmail.com	2019	TalentServe	INR 2000-5000 /month
C Mahesh	maheshms2112@gmail.com	2021	TalentServe	INR 1000-2000 /month

Show all students*

View the overall reports on hired or registered students from your college by logging in to your student activity dashboard here - https://internshala.com/tnp/dashboard?utm_source=weekly_hired.

Look forward to helping more students find meaningful internships.

Regards,
Samay Bhatnagar
Manager - University Relations
Phone - +91 - 89292 94027
Internshala - internship partner of AICTE

--
Thanks & Regards
Jasvinder Kaur
Dean Placements
G.Pullaiah College of Engineering & Technology (Autonomous)
Nandikotkur Road, Kurnool, A.P. 518002. S: 7799696385/8008363232
placementofficer@gpcet.ac.in URL: www.gpcet.ac.in

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KURNOOL-518 452 (A.P)

M Gmail

kct swamy <kctswamy@gmail.com>

Fwd: Exciting short-term internships launched for students of G Pullaiah College of Engineering and Technology

1 message

Dean <placementofficer@gpcet.ac.in>   Thu, Mar 24, 2022 at 9:53 AM
To: kct swamy <kctswamy@gmail.com>

---------- Forwarded message ---------
From: **Internshala** <university.relations@internshala.com>
Date: Wed, Jan 6, 2021 at 11:30 AM
Subject: Exciting short-term internships launched for students of G Pullaiah College of Engineering and Technology
To: <placementofficer@gpcet.ac.in>

Dear Prof. Giridhar Kumar M,

Greetings from Internshala!

During these uncertain times in the job market, having industry experience gives students a competitive edge during placements. We believe, doing short-term virtual internships can help students learn practical skills and gain the required industry experience.

As many colleges may find it difficult to provide this industry exposure to their students, we have launched **short-term virtual internships** for all the students of G Pullaiah College of Engineering and Technology where they can now apply for virtual internships having a duration of 2 weeks or less and level-up their resumes.

How can your students apply for an internship?

1. Visit the application link here - **internshala.com/i/STIB-CR1656. The last date to apply is 9th January**
2. Choose internships based on interest and matching skillsets
3. Apply for those internships by answering two/three questions asked by the employer

Based on the application submitted, companies would shortlist the students and reach out to them for further process.

A few key highlights are -

- Find internships in all major categories including engineering, management, arts, media, design, and more
- Get an assured stipend and internship certificate

Eligibility - All the students (first year to final year) from any branch/stream are eligible to apply.

Kindly share this email and notice with your relevant students and have it circulated among all the college faculties, and student coordinators to ensure maximum participation.

Many thanks,
Ashutosh Lokhande
Manager - University Relations
Internshala ~ internship partner of AICTE

--
Thanks & Regards
Jasvinder Kaur

[signature]
PRINCIPAL
G.Pullaiah College of Engg & Tech.
Nandikotkur Road, VENKAYAPALLI
KURNOOL-518 452 (A.P)

Date: 7th June, 2021

TO WHOM IT MAY CONCERN

This is to certify that Ms. Bhavani Boya, a student of G. Pullaiah College of Engineering and Technology, was an active member of the Internshala's campus ambassador program-Internshala Student Partner (ISP) 15 during the period of March 2021 to May 2021.

At Internshala, we consider ISPs, our biggest strength when it comes to educating college students across the world about the power of internships and online trainings.

During this period, Ms. Bhavani Boya promoted internshala and its products successfully and showed genuine sincerity and willingness to learn while taking on new assignments and challenges.

We wish Ms. Bhavani Boya good luck for all the future endeavors.

You may please contact the undersigned for any queries you may have regarding Internshala or ISP program.

Kind regards,

Shekhar Halder
Head, Marketing
Contact at:isp-hiring@internshala.com

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aws training and certification

Certificate of Completion

Epooru sai charan

Has successfully completed

AWS Foundations: Getting Started with the AWS Cloud Essentials

1 hour

Duration

1 October, 2020

Completion Date

Director, Training and Certification

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Cisco Networking Academy

CISCO.

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Cybersecurity Essentials

For completing the Cisco Networking Academy® Cybersecurity Essentials course, and demonstrating the following abilities:

- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.

- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.

snehalatha koyya

Student

G. Pullaiah College of Engineering and Technology
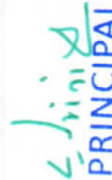
Academy Name

India

Location

Suman prakash Perumalla

Instructor

8 May 2021

Date

Instructor Signature

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Cisco Networking Academy

CCNAv7: Introduction to Networks

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

Nissy Raj

Student

G. Pullaiah College of Engineering and Technology

Academy Name

India

Location

Suman prakash Perumalla

Instructor

12 Aug 2020

Date

Instructor Signature

PRINCIPAL
G.Pullaiah College of Engg & Tech.
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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.

baddula vineetha

Student

Maciek Wichary
VP & CEO, OpenEDG

25 Jul 2020

Date

PRINCIPAL
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