



# GRIETSDC

([WWW.GRIETSDC.IN](http://WWW.GRIETSDC.IN))

## HAND BOOK

(2020 – 2021)

**GRIET SKILL DEVELOPMENT CELL**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**BACHUPALLY, HYDERABAD - 500090**



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## **GRIET SKILL DEVELOPMENT CELL**

**([www.grietsdc.in](http://www.grietsdc.in))**

### **Introduction:**

Engineering is one of the fastest growing and most exciting fields today, offering new college graduates significant earning potential, job stability, and plenty of personal satisfaction. There are many different jobs available for engineers. Not everyone can be an engineer, however, as the demands in terms of skills and knowledge are intense. There are several different branches of engineering, each with very distinct technical skill sets. Even within a given field, specific job requirements vary significantly between positions.

Today's major concern is that formal education does not provide suitable skills to make candidates employable. There is a huge requirement for skilled manpower. When we compare percentage of formally skilled work force globally, India scores the least at 2% against Korea (96%), Japan (80%), Germany (75%), UK (68%) and China (40%). India has tremendous potential to improve skill-based learning to not only cater to domestic work force requirements but also to serve as an effective manpower hub globally.

In the present day scenario skill development cell plays a vital role in engulfing the gap between the academia and the industry requirements, this is pivotal as stated by NASSCOM and other premium industry confederations. Particularly technical institutions need to deploy and implement adequate measures and if needed change the patterns of their teaching-learning methods and add courses needed by now and also to complement the future technologies.

Technical institutions should be at frontline to take over the challenges and make ready the students with adequate resources both theoretically and with hands on experiences to get acquainted by the time they were implemented.



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## **GRIETSDC:**

GRIETSDC (GRIET Skill Development Cell) is established in the year 2018 ([www.grietsdc.in](http://www.grietsdc.in)). Skill Development Cell has been entrusted the responsibility to train students by providing them various courses, with objective for enhancing their Employment/ Self-Employment opportunities.

To meet its objectives GRIETSDC is focusing on improvement of Skills of the students on various fronts. This is done by inculcating Skill development programs among students from first year onwards. Anticipating, before they complete their graduation they will be ready with the necessary skills required by the industry.

The SDC is ever growing environment where the new concepts, technologies are added time to time with the support of the various eminent organisations and industries. At present GRIETSDC is accredited for training courses offered by CISCO Netacademy and Amazon AWS courses. In the second quarter of 2021 new courses from Redhat academy and Microsoft courses will be included. By the end of 2021, we are planning to establish Pearson vue centre to conduct the global certification exams in GRIET premises.

## **Vision & Mission**

- To create an eco-system where students can get trained in latest and up to date emerging tools and technologies.
- Facilitate cooperation between industry and academia.
- To create awareness and participation across various skills.
- To help the students attain world class standards of competence and excellence.



## **CISCO:**



CISCO is a globally renowned US based premium networking company with foot print around the world, specialised in routing and switching equipment including MLS, firewalls etc. Cisco continues to dominate the industry as the premier enterprise networking vendor since 1980. Cisco has been one of the biggest global networking companies, growing from a seller of switches and routers to a provider of complex telecommunications, cybersecurity, and networking solutions.

## **CISCO NETACADEMY COURSES:**

GRIET has an MOU with CISCO for training courses offered by CISCO Net academy. Flagship courses including CCNA, IoT Security, Cyber Ops (Cyber Security), DevNet etc, are part of CISCO Net academy. Students are exposed to exhaustive simulation training using “Cisco Packet tracer” software and hands on training on real time networking devices including switches and routers procured from CISCO Inc.

## **INSTRUCTOR TRAINING:**

Instructors are trained by CISCO team and after successful evaluation and certification only they are allowed to train students. Instructors need to be trained, evaluated and certified separately for every new or advanced course(s) offered by CISCO to teach students. IPD (Instructor program development) is a mandatory internal training exercise globally for all CISCO instructors. Instructors need to attend and update time to time as and when the new techniques / technologies evolve.

## **INSTRUCTOR AWARDS:**

Dr.G.S.Bapi Raju, Professor, Department of CSE and P.Bharathi, Assistant professor, Department of IT are the active instructors for CISCO courses. Both are accredited and recognised by CISCO Netacademy. For their best performance CISCO awarded Dr.G.S.Bapi Raju with “Expert level Instructor” (2019) and “DevNet Associate Pioneer” (2020). P.Bharathi is awarded with “Advanced level Instructor” in 2019.



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## **CISCO COURSES**

### **Networking:**

CCNA: Introduction to Networks  
CCNA: Switching, Routing, and Wireless Essentials  
CCNA: Enterprise Networking, Security, and Automation  
CCNA: Bridging (Version 7)  
Networking Essentials

DevNet Associate (new course launched in 2020 June globally)

Mobility Fundamentals

Introduction to Packet Tracer

### **Internet of Things (IoT):**

Introduction to IoT  
IoT Fundamentals: Connecting Things  
IoT Fundamentals: Big Data & Analytics  
IoT Fundamentals: IoT Security  
IoT Fundamentals: Hackathon Playbook

### **Cyber Security:**

Introduction to Cybersecurity  
Cybersecurity Essentials  
CyberOps Associate

### **Operating Systems:**

Partner: NDG Linux Unhatched  
Partner: NDG Linux Essentials  
Partner: NDG Linux I  
Partner: NDG Linux II

### **Languages:**

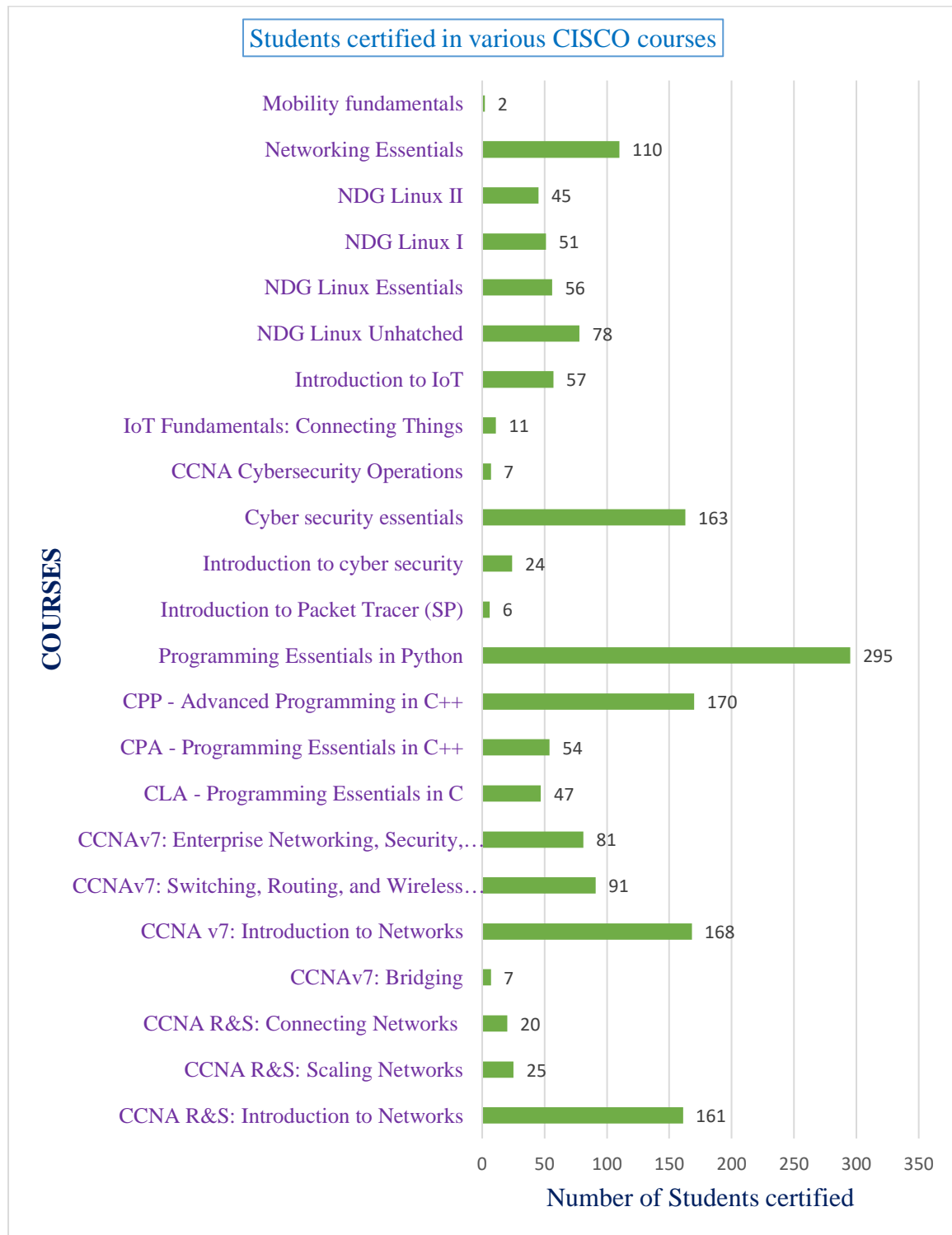
CLA - Programming Essentials in C  
CLP - Advanced Programming in C  
CPA - Programming Essentials in C++  
CPP - Advanced Programming in C++  
PCAP - Programming Essentials in Python.

**Note:** Old courses are updated and new courses are added every year



## STUDENTS TRAINING

Students certified in various CISCO courses in (2019-20): **1783**.





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## CISCO INTERNSHIPS / PLACEMENTS

CISCO offers various options to students for employability.

1. Direct Recruitment through IDEATHON.
2. Talent Bridge
3. Apprenticeship

### 1. Direct Internships and Placements:

Since 2019 CISCO offering internships followed by placements through IDEATHON program. To apply for IDEATHON, the minimum criteria is students should have good knowledge in computer networks, a bit of coding knowledge and good communication skills.



**Eligibility:** Students must be a Netacademy member, should complete the programming language courses like C++, Python etc. and CCNA course.

**Scholarship:** Selected students gets stipend Rs.60,000/- per month for 6 months, later they are taken on rolls as CISCO permanent employees with salaries ranging from 15 lakhs and above depending on the student's performance.



**Selection Procedure:** Students are filtered in various levels. They conduct tests in coding, networking, communications etc. The students also need to submit 90 second video on the list of options given by them. In the final interview they look for student grip on coding and network related topics, confidence levels and communication skills.

The students have to qualify in the below five tests to get selected in CISCO.

1. Preliminary quiz.
2. 90 seconds video
3. Quiz
4. Written Test
5. TR, MR HR Interview.



## 2. Talent Bridge program:

Networking Academy Talent Bridge program is the link between talent and opportunities. Its goal is to provide resources to Networking Academy students, both current and former, to help them become more employable. Also help to connect them with employers around the world who value the education received via the Networking Academy.





## Talent Bridge Career Resources

### Access Job Opportunities

Use Networking Academy's Talent Bridge Matching Engine

Connect to opportunities based on your experiences, education, and certifications. Complete your profile and match to employment opportunities with Cisco as well as Cisco partners and distributors seeking Networking Academy students and alumni.

Note: You must be 18 years of age or older to register and participate in the Talent Bridge Matching Engine.

Use the Matching Engine

### **Talent Bridge Matching Engine:**

Use Networking Academy's Talent Bridge Matching Engine: Connect to opportunities based on your experiences, education, and certifications. Complete your profile and match to employment opportunities with Cisco as well as Cisco partners and distributors seeking Networking Academy students and alumni.

### **How to register in Talent Bridge program:**

Netacademy members can access the Talent bridge matching engine through their CISCO login. Students should upload all the details related to their certifications, experience, skills acquired along with their personnel information. The Talent Bridge matching engine helps both the employer as well as the student to find the correct portfolio. It acts like a bridge between the employer and the job seekers. Presently more than 110 companies are taking part of this program.

### **3. Apprenticeship:**

One year apprenticeship program is offered basing on selection. After one year depending on the vacancies either the students are taken on rolls or may be extend apprenticeship for another year. Stipends are paid to students. This program will be announced in 2021 January.





## **CISCO INTERNSHIP SELECTED STUDENTS**



### **CISCO INTERNSHIPS SELECTED STUDENTS**

Under the qualified GRIET instructors, several GRIET students are trained every year. More focused branches are CSE, IT, ECE, EEE. In 2019-20, five students and in the year 2020-21, four students are selected for CISCO. Interns are paid Rs. 60,000/- stipend per month. After 6 months internship they were taken as permanent employees with 15 lakhs pay package.






#### **STUDENTS SELECTED FOR CISCO INTERNSHIPS/PLACEMENTS 2020 – 2021.**

S.No	Name	Department	Batch	Photo
1.	Sahiti Kapilavai	CSE	2017 - 21	
2.	Abhishek Bhandwalkar	CSE	2017 - 21	
3.	Sugandha Padullaparti	IT	2017 - 21	
4.	Alekya Kaverigari	ECE	2017 - 21	



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**STUDENTS SELECTED FOR CISCO INTERNSHIPS/PLACEMENTS 2019 – 2020.**

S.No	Name	Department	Batch	Photo
1.	Amulya Sharma	CSE	2016 - 20	
2.	Neha Lagatpathi	CSE	2016 – 20	
3.	Sadhana Myana	CSE	2016 – 20	
4.	Keertana Pulipalupula	ECE	2016 – 20	
5.	Mihir Solanki	IT	2016 – 20	

## CISCO OFFER LETTER SPECIMEN



14th December 2019

AXXXXXXX  
XXXXXXX street  
XXXXXXX, Hyderabad.

Re: Appointment as **COLLEGE INTERN..TECH UNDERGRAD.CROSS FUNCTIONAL-000882**, grade 99 with Cisco Systems (India) Private Limited.

This is with reference to your request for training. We are pleased to inform you that we will offer you an internship as a **COLLEGE INTERN..TECH UNDERGRAD.CROSS FUNCTIONAL-000882**, grade 99 in **123 - Cisco Systems (India) Private Limited ("the Company")** on the following terms and conditions:

### 1. Commencement of Internship

Your Internship will commence on **13-Jan-2020** and will be for a fixed term of **5** months ("Term") which means, subject to the right of termination set out in this letter, it will terminate no later than **26-Jun-2020**. You will be based at **123 - Cisco Systems (India) Private Limited, BANGALORE, KARNATAKA, INDIA**.

### 2. Place of posting and assignment

Your place of posting is **BANGALORE, KARNATAKA, INDIA**. You are liable to be transferred to any place of business of the Company as existing/operating presently or acquired or set up later in any part of India or abroad at any time. You are also liable to be deputized to any work or assigned the works of any Associate/Sister Concerns, Subsidiaries or any other Companies/Concerns/Organizations/Firms with whom the Company may make such arrangement or agreement.

### 3. Office Hours

The normal working hours are 8:30AM to 4:30PM, Monday through Friday.

### 4. Termination

In the event of gross misconduct or commission of a serious breach of the terms of your Internship by you, the Company is entitled to terminate your Internship with immediate effect without prior notice or payment in lieu.

In case of termination due to above mentioned reason, the company reserves the right to terminate the internship and full time offer referred on Section 16 below will be considered invalid.

### 5. Duties

Your responsibilities and duties will be intimated to you upon the commencement of your Internship.

### 6. Stipend and Allowances

All payments of stipend and any other emoluments will be paid according to local payroll practices. Your monthly Stipend which is based on a 40 hour work week will be **INR 50,000.00**

Stipend Details	In INR per month
Stipend per month	INR 50,000.00
Accommodation Allowance	INR 10,000.00

#### \*Note:

Stipend and accommodation allowance (a & b) shall be paid effective joining and start of your assignment with the company. This amount shall be paid less tax and other authorized deductions.

#### a) Tax

It is your responsibility to meet all requirements under the Indian tax laws including tax compliance and filing of personal tax returns in respect of all payments paid to you under this letter. Taxes on any payment made under this letter will be borne by you. The Company shall deduct Tax at source ("TDS") on any payments under this letter that require such deduction to be made by the employer in accordance with the Indian tax laws.

## **7. Whole time Internship**

During the Term you, being in the whole time Internship of the Company, shall not engage or associate yourself directly/indirectly or in any other manner, whatsoever, in any other post or work part time or pursue any course of study without the prior permission of the Company. You shall devote your whole time, attention and skill to the best of your ability for the business of the Company and shall not undertake any work other than what has been assigned to you. You shall not directly or indirectly be connected with, concerned, employed or engaged in any other business or activities whatsoever, without the prior permission of the Company and shall not accept any emoluments, commission or honoraria whatsoever from any one.

## **8. Company Property**

You shall always maintain in good condition, any of the Company's property, which may be given to you: by your superiors; by persons under whom you are placed to work in the overall interest of the Company; or otherwise for official use during the course of your Internship. You must return all Company property on request or on the termination of your Internship, failing which the Company will recover the cost of such property from you.

## **9. Additions / Alterations**

You shall, in addition to the general service conditions as specifically stated herein above, be governed by other rules, regulations, practices, systems, procedures and policies as are in force or may be added, altered, modified or omitted/deleted by the Company from time to time.

## **10. Leave and Holidays**

You will not be eligible for Annual Leave during the course of your internship. However you will be eligible for any festival or public holiday that may fall as per Cisco policies.

## **11. Confidentiality**

You shall not disclose, divulge or communicate in any manners, either directly or indirectly any confidential information of the Company, nor any of its trade secrets or know-how to any person, firm, corporation, association or other entity for any reason or purpose whatsoever. You shall observe and abide by all the terms of the Proprietary Information and Invention Agreement, as if the same was set out hereunder, in verbatim. The Proprietary Information Agreement is coterminous with this letter and breach of the Proprietary Information and Invention Agreement or any of its terms will be considered to be a breach of the terms of this letter, giving grounds for immediate termination of your Internship.

## **12. Notices**

All notices, consents, requests or other communications made either by you or the Company will be in writing and personally delivered or transmitted by registered or certified mail or courier or by facsimile at the addresses indicated in this letter.

## **13. Accuracy of Information**

Your appointment is being made on the basis of the information and details given by you in the application for Internship. If, at any time, any information or detail given by you is found incorrect or false, your services will be liable for termination without any notice, salary in lieu of notice or compensation. No charge sheet or disciplinary action will be necessary.

On your first day of work you will be required to present evidence of authorization to work. If you require sponsorship by Cisco to obtain work authorization, you must let us know immediately. Also, please be aware not every position or individual qualifies for visa sponsorship. Accordingly, this offer of Internship is contingent upon your obtaining and providing evidence of proper authorization to work for Cisco.

## **14. Applicable Law**

This letter shall be construed and governed by the laws of India.

## **15. Full Time Offer**

The full time offer that is extended to you by the company is subject to your satisfactory completion of internship. The company also reserves the right to withdraw this commitment on account of any other business or extenuating factors.

I take this opportunity to congratulate you on your appointment and welcome you to our company.

Please return a signed copy of this letter to indicate your undertaking of the above terms and conditions of Internship contained herein and your acceptance of this letter and the attached agreements.

Yours sincerely,

**For 123 - Cisco Systems (India) Private Limited**

## CISCO INSTRUCTOR AWARDS





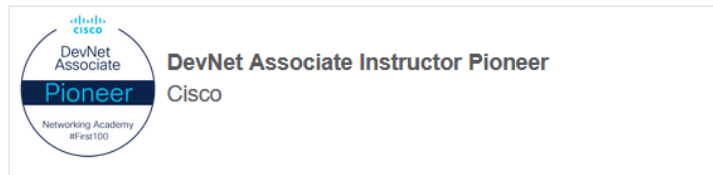
## INSTRUCTOR AWARDS – 2019.



### Dr.G.Srinivasa Bapiraju

Professor, Department of CSE,  
M.Tech (CSE), M.Sc (Nuc.Phy),  
Ph.D, MBA (HR & FIN), IDCPA  
(NCC,UK), MCSE,

Accredited Instructor for:  
CCNA, CyberOps, DevNet  
and AWS courses



### P.Bharathi

Assistant Professor  
Department of Information &  
Technology

Accredited Instructor for:  
CCNA course.





## GRIET AWS ACADEMY:









Amazon AWS is a cloud service provider with almost 45% market share (Source: Gartner – August 2020) in cloud services globally. GRIET is an accredited institute for training Amazon AWS courses from this year 2020. Starting from foundational course to associate and specialist level courses are planned in a phased manner. AWS Courses include various tools ranging from Machine learning, Security, Networks, and DevOps etc.

## INSTRUCTOR TRAINING:

To get AWS accreditation, institute must have global certified instructors. AWS Academy conducts regular training sessions for instructors. The instructors need to qualify and acquire global certification to become instructors. Instructors are allowed to train students only in the course(s) in which they are globally certified.

## AMAZON AWS: INSTRUCTOR ACQUIRED BADGES

 <p><b>AWS Certified Solutions Architect – Associate</b> Amazon Web Services Training and...</p>	 <p><b>DevNet Associate Instructor Pioneer</b> Cisco</p>	 <p><b>AWS Academy Graduate - AWS Academy Cloud Foundations</b> Amazon Web Services Training and...</p>
 <p><b>AWS Certified Cloud Practitioner</b> Amazon Web Services Training and...</p>	 <p><b>AWS Academy Accredited Educator</b> Amazon Web Services Training and...</p>	 <p><b>Well Organized</b> ClearFit</p>

In academy level around 100 students are certified in the AWS foundational course. Students are going for global certifications and some students are certified recently.



## AWS COURSES

### Professional

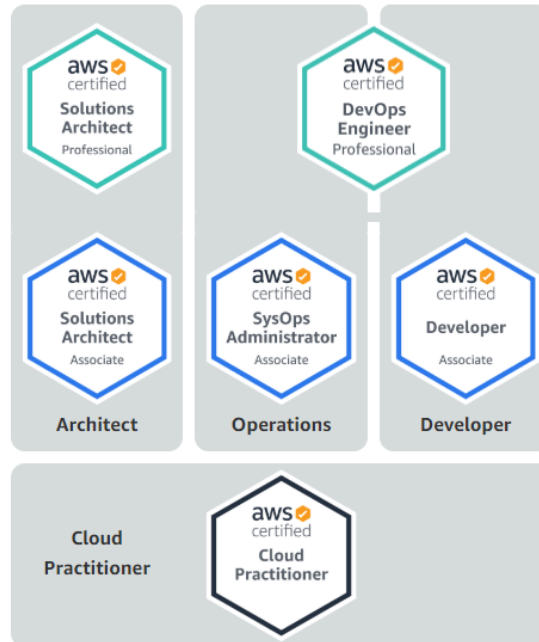
Two years of comprehensive experience designing, operating, and troubleshooting solutions using the AWS Cloud

### Associate

One year of experience solving problems and implementing solutions using the AWS Cloud

### Foundational

Six months of fundamental AWS Cloud and industry knowledge



### Specialty

Technical AWS Cloud experience in the Specialty domain as specified in the exam guide



### GRIETSDC accredited AWS Courses:

- Foundational Level:**
- AWS Cloud Practitioner Course.
  - Academy Machine Learning Foundations
- Associate Level:**
- AWS Solution Architect.

Other AWS courses will be added in a phased manner.

### GLOBAL EXAMINATIONS CENTRE:

Adequate facilities are provided for students to write AWS Global exams at GRIET SDC centre. By the end of 2021, SDC will be upgraded to full-fledged Pearson Vue centre.

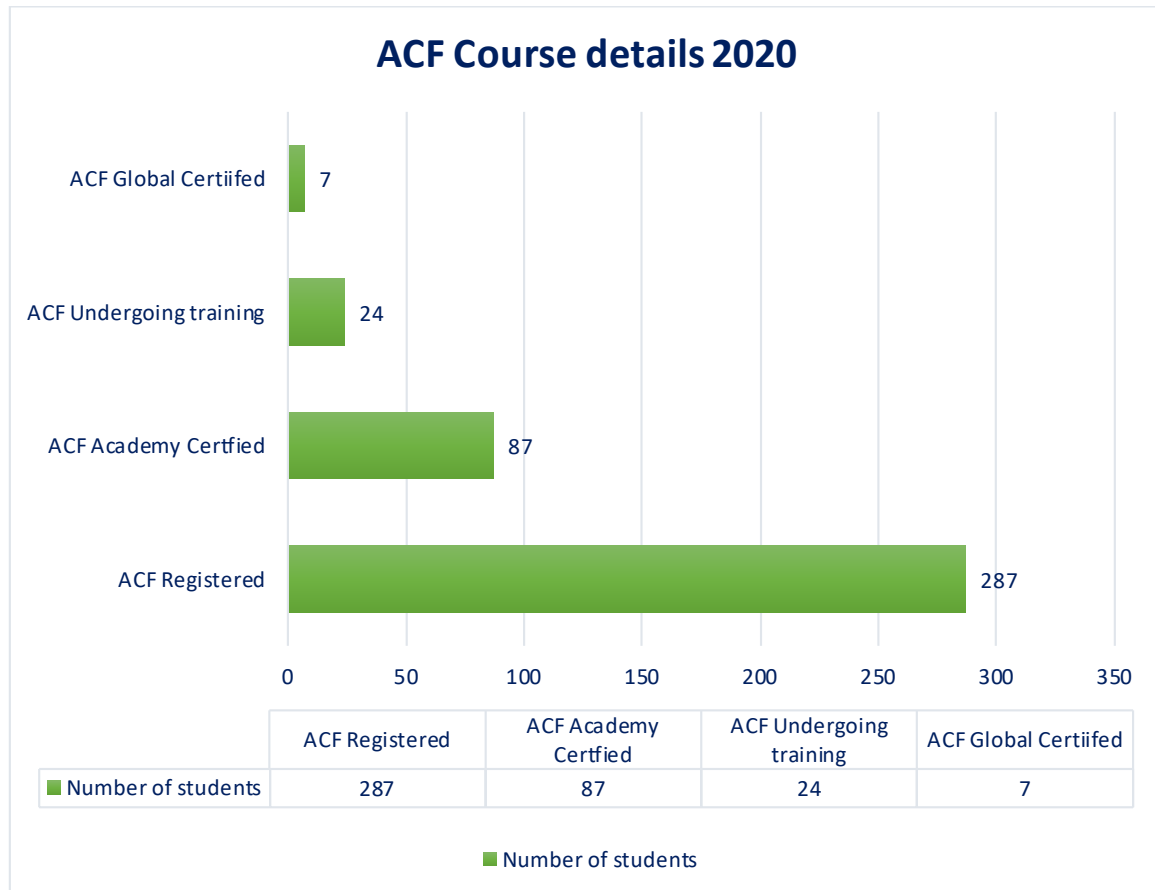
### AWS INTERNSHIPS/PLACEMENTS:

In this year November 2020 AWS Job fairs are conducted and almost 8 to 10 companies took part and nearly 60 students attended the job fair. Interview rounds are still going on at different levels and the results are awaited.



## STUDENTS UNDERGOING TRAINING

### AWS Certified cloud practitioner course



\* Above illustration manifest the students in “AWS Certified cloud practitioner course”.

\* After successful completion of the AWS course, students are awarded academy certificate. Later they have to write the global certification exam. 50% fees discount voucher is provided by the academy.

\* Students can write the Global exam either at GRIETSDC centre or at any Pearson Vue centre. Slots need to be reserved prior to writing the exam.

\* “AWS Certified Solutions Architect – Associate” course commences in January 2021.



\* “AWS Machine Learning Foundation” course commences in February 2021.



**AWS ACF - Global Certified Students (2020)**

S.No	Name	Department	Batch	Photo
1.	Lokesh kumar Veshala	ECE	2016 - 20	
2.	Md. Dastagir	CSE	2016 – 20	
3.	Rajiv Gardas	CSE	2016 – 20	
4.	Sabbani Srujana	CSE	2016 – 20	
5.	Shiva A	CSE	2016 – 20	



6	Shreya walia	ECE	2016 - 20	
7	Tarun K	CSE	2017 - 21	

**SPECIMEN:** ACF CERTIFIED CLOUD PRACTITIONER – Global Certificate.



## **AWS INSTRUCTOR CREDENTIALS**



## 1. Instructor Global Certificate for AWS Cloud Practitioner

(Validity from May 29<sup>th</sup> 2020 to Dec 11, 2023)



SRINIVASA BAPIRAJU GADIRAJU

has successfully completed the AWS Certification requirements and has achieved their:

AWS Certified Cloud Practitioner

Issue Date  
May 29, 2020

Expiration Date  
Dec 11, 2023

Maureen Lonergan  
Director, Training and Certification

Validation Number 9TB450Y1MEF41N9M  
Validate at: <http://aws.amazon.com/verification>

## 2. Instructor Global Certificate for AWS Solutions Architect- Associate

(Validity from Dec 11<sup>th</sup> 2020 to Dec 11, 2023)



SRINIVASA BAPIRAJU GADIRAJU

has successfully completed the AWS Certification requirements and has achieved their:

AWS Certified Solutions Architect - Associate

Issue Date  
Dec 11, 2020

Expiration Date  
Dec 11, 2023

Maureen Lonergan  
Director, Training and Certification

Validation Number KZ6W05FJCBV1QY50  
Validate at: <http://aws.amazon.com/verification>





## FORTHCOMING COURSES

By the end of 2021, we are planning to add new courses, in collaboration with the following organisations:

1. Microsoft
2. Microchip
3. Redhat Academy
4. Blueprism University
5. Palo alto



**SDC NEW MEMBERSHIP REGISTRATION  
AND JOINING COURSES**



## SDC MEMBERSHIP

To join any course, SDC membership number is mandatory. To obtain SDC membership number students need to pay Rs.500/- to the below bank account. This is a one-time payment and non-refundable.

The membership is valid till the student completes his/her B.Tech/M.Tech degree from the GRIET College.

Follow the following steps carefully.

Step 1. Pay Rs.500/- to the below account number

Bank : Punjab National Bank  
Account no : 18822413000115  
IFSC : PUNB0188210  
Branch : PNB Bachupally Bank.

Step 2. Send the following details to the mobile number given in step 3:

- a. Proof of payment
- b. Full Name
- c. Roll no
- d. Year/semester
- e. Department
- f. Mobile no
- g. Email address

Step 3. WhatsApp the **above details** to: **949 160 7789**

Step 4. After verification within 24 hours, SDC (membership) number is sent along with a membership registration link. Students need to fill the link with the newly allocated SDC no. That's it. This ends the SDC membership registration.



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## HOW TO JOIN COURSE(S)

Students can join any course through the below link:

Link: <https://grietsdc.in/join.html>

### **Prerequisites:**

CCNA Course sequence:

1. Introduction to Networking (ITN)
2. Switching Routing and Wireless Essentials (SRWE)
3. Enterprise Networking and Security Automation (ENSA)

### **AWS Courses:**

1. “AWS Certified cloud practitioner course” is a foundation course and it is a prerequisite for any other AWS courses.
2. “Introduction to Cyber security course” is a prerequisite for any Cyber security courses.
3. “Introduction to IoT course” is a prerequisite for any other IoT courses.

### **AWS Course Global exams:**

- \* AWS courses are offered at academy level in GRIET AWS Academy. After successful completion Academy certificate is awarded. But for better employability global certification is highly recommended.
- \* 50% discount voucher is provided to all the students who ever completes the academy course successfully and willing to write global certification.
- \* Students can write global certification either from their home or from College or from any Pearson Vue centre by paying the remaining 50% fee. Slots need to be booked minimum three days before to write the exam. The instructors will provide all the necessary information related to global exams and guide them for successful completion.

**PHOTOS**  
**(ARCHIVES)**



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### **CISCO INTERNSHIP SELECTED STUDENTS (2020 – 2021)**



### **CISCO INTERNSHIP SELECTED STUDENTS (2019 – 2020)**







## CISCO ANNUAL CONFERENCE (28.01.2020) – BANGALORE



## CISCO IDEA'THON 2019





## GRIET SDC (GRIET SKILL DEVELOPMENT CELL) INAUGURATION







## CISCO COURSE COMPLETION CERTIFICATES DISTRIBUTION:





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For more information contact:

**Dr. G.S.Bapi Raju**

M.Tech (CSE), M.Sc. (Nuc.Phy), Ph.D.,

MBA (HR & FIN), IDCPA (NCC, UK), MCSE, CCNA, AWS

Professor, Department of Computer Science & Engineering,  
Gokaraju Rangaraju Institute of Engineering and Technology  
Hyderabad, Telangana 500090.

Mob: +91 949 160 7789

Email:gsbapiraju@gmail.com