

PROGRAM BOOK FOR
SHORT-TERM INTERNSHIP
(Onsite / Virtual)

Name of the Student: ALLSPELLS YASHODA KRISHNA

Name of the College: Mrs. A.V.N Degree College

Registration Number: 720130805151

Period of Internship: From: 10/10/22 To: 19/11/22

Name & Address of the Intern Organization: Cyber-Security
(Pabattu)

Andhra University
Admitted YEAR 2020-23

An Internship Report on

Palwalto Cyber Security

(Title of the Internship)

Submitted in accordance with the requirement for the degree of
Bsc (MPS) [2020-2023]

Under the Faculty Guideship of

G. Nayya

(Name of the Faculty Guide)

Department of

B.S.C (M.P.S)

(Name of the College)

Submitted by:

A. Yashoda Krishna

(Name of the Student)

Reg.No: 720130805151

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(Name of the College)

“ Mrs. A.V.N College ”

Official Certification

This is to certify that A. Yashoda Krishna (Name of the student) Reg. No. 720130805151 has completed his/her Internship in EDU SKILLS (Name of the Intern Organization) on Cyber Security (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of B.Sc. [MPS] in the Department of Mrs. A.V.N. College (Name of the College).

This is accepted for evaluation.

A. Yashoda Krishna
(Signatory with Date and Seal)

Endorsements

N. Anantha Lakshmi
Faculty Guide

[Signature]
Head of the Department

[Signature]
Principal **PRINCIPAL**
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM

Instructions to Students

The detailed Guidelines on Internship hosted on the website of AP State Higher Education <https://apsche.ap.gov.in>

Mandatory for all the students to complete 2 months (180 hours) of short-internship either physically or virtually.

Each student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.

Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.

Students should maintain punctuality in attending the internship. Daily attendance is compulsory.

Students are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.

When you are attending the internship, follow the rules and regulations of the intern organization.

While in the intern organization, always wear your College Identity Card.

As your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.

You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity report and/or any difficulty you encounter during the internship.

Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:

- Data and Information you are expected to collect about the organization and/or industry.
- Job Skills you are expected to acquire.
- Development of professional competencies that lead to future career success.

Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.

Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

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Acknowledgements

The internship opportunity, I had with the EDU SKILLS was a great chance for Learning and professional development therefore I consider myself as a very lucky individual as I was provided with an opportunity to be a part of it. I am also grateful for having a chance to meet so many wonderful people and professionals who lead me through this internship period.

I express my deepest thanks to the EDU SKILLS team for taking part in useful decisions giving necessary advice and guidance. I choose this moment to acknowledge their contribution gratefully. I perceive this opportunity as a big milestone in my career development. I will strive to use the gained skills and knowledge in the best possible way.

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CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have only a one-page executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

This internship report is based on a short term 2 month internship programme. This internship stresses on the knowledge gained on the basis of the "pobaltonetwork" organisation as a PCESELT - pobalto certified cyber security entry level technician intern.

I have successfully learned the main objective of the internship such as

- Introduction to Cyber security
- Fundamental of network security
- Fundamental of cloud security
- Fundamental of Security operation System (SOC)

The outcomes I have achieved through this internship are the ability to identify the cyber threats and to be able to strengthen and

protect the privacy of personal data.

The organisation i have achieve through this internship, provides a separate access portal only to individual called as the Beacon Home".

Overall, we can say that the internship programme provided in eduskills through APSCHC-LMS has added an additional aquired skills to me in today's digital world.

I can conclude that this internship has been very useful expensive for me.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

A. Introduction of the organization :-

Polotica Network is an American multinational cyber security company in Santa Clara, California, founded by Mr. Nirzajik.

It was listed 8th in former forbes digital.

B. Mission, vision and values :-

The company Envision to provide Endpoint security protection. It's mission is to run the PAN-OS in the next generation firewalls.

C. policy related to the intern's role :-

The organization policy is to Equip major number of interns every year with a basic knowledge of personal data protection.

D. Organisational structure :-

The organisational Executive include

Founder - Niizuku [Chief Technology officer]

Chairman - Nimesh Arora [Chief Executive]

President - BT Jenkine.

E. Roles and Responsibilities :-

The role of the organisation function in spillover system
→ visibility and access control.

→ Data loss protection

→ Threat prevention.

The company engineers take responsibility in configuring, managing and fixed the Paloalto firewalls.

F. performance in terms of revenues, profits, market reach and market value.

→ The company generates a revenue of over 5.50 billion us of a year.

→ operation income is about 189 million us.

→ Total Equity is about 210 mil usd.

→ There is a vast market reach & performance usually increases every year.

G. Future plans of organisation :-

Paloalto's future plans are to increase the stocks by a trillion dollar stocks by 2035

About EduSkills :-

It is a non-profit organisation which enable the

Cybersecurity internship from poloalto company

~~APSCHE~~ About APSCHE :-

APSCHE is the AP state council of higher education which comes into existence by the government.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

paloalto cyber security Internship Engages the interns with regular quizzes and also assessments according to the daily and weekly work schedule. The tasks can be managed in a mobile phase although a PC or laptop is required.

As there are two evaluative and the audio quality during the session.

Skills acquired during the course of the internship are

- Detecting the malware
- Evaluating different cyber attack techniques
- Identifying how spoofing and phishing attacks are performed
- Explain perimeter based zero trust security models Etc.

Activities and responsibilities held in this internship are in the form of modules and assessments organised according to the weekly schedule with through which the certification and badges are obtained.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Modern computing tracks interesting we B.2.0 & WEB 3.0 apps tactics & techniques & procedures	allowing & blocking classification & managing security service.	
Day - 2	cyber security landscape port hopping & using non-standing ports such as vahoo.	Tunneling and SSC Enumeration	
Day - 3	malware & ransomware objectives ransomware attack on organisation	discovery of vulnerabilities in software.	
Day - 4	obfuscation and polymorphism.	techniques to hide binary strings	
Day - 5	Execution steps of attacks and current generation of ransomware attack	enticing attacker to jump onto the bandwagon	
Day - 6	patching vulnerabilities development of patch.	Text & display patch.	

WEEKLY REPORT

WEEK - 1 (From Dt. 10/10/22. to Dt. 15/10/22)

Objective of the Activity Done: To understand the landscape of search

Detailed Report: Learnt how to access the beacon portal to access the modules of the domain.

- Learnt about the evolution of the modern computing trends such as WEB 2.0 to WEB 3.0 and the respective toolkits techniques and procedures called tips.
- In the landscape of cybersecurity I learnt about the cyber lifecycle and the possible cyber attacks and threat.
- Learnt how to execute the necessary steps on the next generation firewalls to prevent the attackers.
- Learnt how to develop patch and to detect the patching vulnerabilities.
- The primary week report consists of the basis introduction to cyber security.