

Model Program Book



SHORT TERM INTERNSHIP (On-Site/Virtual)

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**
(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

PROGRAM BOOK FOR
SHORT-TERM INTERNSHIP
Virtual

Name of the Student: BUNEKUNTA BABU

Name of the College: SVCR Govt Degree College, Palamaner.

Registration Number: 0321014048

Period of Internship: 2 From: 21/10/2022 To: 30/11/2022

Name & Address of the Intern Organization :

Internshala Trainings

Sri Venkateshwara **University**

YEAR: 2022

An Internship Report on
Internshala Trainings (Data Structures & Algorithms)
(Title of the Internship)

Submitted in accordance with the requirement for the degree of
BSc (MPCs)

Under the Faculty Guideship of
M.Surya Sekhar Reddy

Department of BSc
SVCR GOVT DEGREE COLLEGE, PALAMANER
(Name of the College)

Submitted by:

BUNEKUNTA BABU

(Name of the Student)

Reg.No: 0321014048

Department of BSc

SVCR GOVT DEGREE COLLEGE, PALAMANER
(Name of the College)

Instructions to Students

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

1. It is mandatory for all the students to complete 2 months (180 hours) of short-term internship either physically or virtually.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. 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.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You 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.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. 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 done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - a. Data and Information you are expected to collect about the organization and/or industry.
 - b. Job Skills you are expected to acquire.
 - c. Development of professional competencies that lead to future career success.
11. 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.
12. 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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Student's Declaration

I, Bunekunta Babu a student of BSc Program, Reg. No. 0321014048 of the Department of MPCs, SVCR Govt Degree College do hereby declare that I have completed the mandatory internship from 21-10-2022 to 30-11-2022 in Internshala Trainings (Data Structures and algorithms) (Name of the intern organization) under the Faculty Guideship of M.Surya Sekhar Reddy (Name of the Faculty Guide), Department of BSc, SVCR Govt Degree College Palamaner (Name of the College).

B. Babu
(Signature and Date)

14/12/2022

Certificate from Intern Organization

This is to certify that Bunekunta Babu (Name of the intern)

Reg. No 0321014048 of SVCR Govt Degree College Palamaner
(Name of the College) underwent internship in Internshala Trainings
(Name of the Intern Organization) from 21-10-2022 to 30-11-2022.

The overall performance of the intern during his/her internship is found to be

Satisfactorily (Satisfactory/Not Satisfactory).


Authorized Signatory with Date and Seal

Certificate of Training

Bunekunta Babu

from SVCR GOVT DEGREE COLLEGE PALAMANER has successfully completed an 8-week online training on **Data Structures & Algorithms**. The training consisted of Introduction to Data Structures, Introduction to Algorithms, Single & Double Dimensional Arrays, Searching & Sorting, Stacks & Queues, Revision of relevant topics in C, Implementation programs of Stacks & Queues, Linear linked list, Circular linked list, Doubly linked list, Trees, and Graphs modules.

We wish Bunekunta all the best for future endeavours.



Sarvesh Agarwal
FOUNDER & CEO, INTERNSHALA

Date of certification: 2022-12-02

Certificate no. : 7nv03lzs7sm

For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

Acknowledgements

First I wish to express my sincere gratitude to the principal Dr. M. Venkatesulu sir for providing me an opportunity to do my internship at SVCR Government Degree college, palamaner. For me it was a unique experience to study and knowing about Internshala trainings. This internship period was a great chance of learning professional development.

The journey started as a student towards the professional life with the aim in mind to learn the practical aspect of life, ended as a memorable experience, also helped me to come off with flying colours.

No work can be completed without others help or contribution. The preparation of presentation of this humble work encompasses the immense and unlimited help and sound through of innumerable people.

My special thanks to the college faculty and the principal sir for providing me with this opportunity to associate myself with them for my training and also like to express my sincere gratitude to them for providing me the most valuable guidance and affable treatment given to me at every stage to boost my morale and helping in learning procedures and activities, which helped me to add a feather in my cap.

I express my deep and sincere gratitude to my mentor/teacher M. Surya Sekhar Reddy sir, Lecturer in physics, supervision, expert suggestion and encouragement which helped me to tide over the hardship encountered during study.

Last but not the least my sincere gratitude to all people who knowingly or unknowingly supported me, for my moral to make this project a reality.

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Contents of a Internshala Trainings (DSA)

1. Introduction to Data structures.
 2. Introduction to Algorithms.
 3. Single and double Dimensional Arrays.
 4. Searching & Sorting
 5. stacks and Queues.
 6. Revision of relevant topics in C
 7. Implementation programs of Stacks & Queues
 8. Linear linked list
 9. Circular linked list
 10. Doubly linked list
 11. Trees.
 12. Graphs.
- Final test.

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)

Data structures and Algorithms online course is developed by Internshala trainings. We are a technology company on a mission to equip students with relevant skills and practical exposure to help them get the best possible start to their careers. Imagine a world full of freedom and possibilities. A world where you can discover your passion and turn it into your career. A world where you graduate fully assured, confident, and prepared to stake a claim on your place in the world.

In this they explained detailed about data structures and its algorithms. Not only the basics of data structure are learnt in this training. About all the program coding also available and explained detailed.

In this every online class and every online video are the perfect explanation to learning with perfection. The main aim to this training is to learning the all the topics of data structures and algorithms. The data structures are in C and C++ programming languages. we will learnt this topics with briefly then we write a code and algorithm in any topics.

After completing the Data structures and algorithms course individuals will develop a comprehensive understanding of the Data structures fundamental capabilities for managing the software developer. Individuals will gain knowlege of Algorithms, Arrays, stacks, queues, Trees, Graphs, with programs codings. Also the to gain the typing skills. Individuals will also learn how to write a programing coding for any topic.

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:-

Internshala is a dot com business with the heart of dot org. We are a technology company on a mission to equip students with relevant skills and practical exposure to help them to get the best possible start to their careers. Imagine a world full of freedom and possibilities.

B. Vision, Mission, and Values of the Organization:-

Internshala's mission is to equip every student with practical skills and exposure so that they can build their dream careers. And to they will learn the particular topics on that internships.

C. policy of the organization, in relation to the intern role:

An internship is a supervised experience directly related to an academic discipline. It typically lasts for one semester, and it must be planned and approved.

D. Organizational Structure:-

The network organizational structure is a temporary or permanent arrangement of otherwise independent organizations or associates, forming an alliance to produce a product or service by sharing costs and core competencies.

E. Roles and responsibilities of the employees in which the intern is placed.

An intern is a trainee who has signed on with an organization for a brief period. An intern's goal is to gain work experience.

F. performance of the organization in terms of turnover, profits, market reach and market value.

The software workers are mainly performed in this organization. To believe to learn all the topics on the software things.

G. Future plans of the organization:- To make the students as software developers and they get good knowledge on software.

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.)

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development and to learn new skills. It offers the employer the opportunity to bring new ideas and energy into the workplace, develop talent and potentially build a pipeline for future full time employees.







Internships are supervised, structured learning experiences in a professional setting that allow you to gain valuable work experience in a student's chosen field of study. Internship require a minimum of 100 hrs.

Conditions, schedule, tasks:-

* when we started the training of this topic the organizer was will explained its conditions and etc in detail.

- * when the completion of watching video then only did write a quiz.
- * After then only wrote a Final module test.
- * If you don't finish the before module, the module videos can't opened.
- * In that module test we attempt every question.
- * provide practical learning opportunities to us.
- * Finally after completion of these all module test they conduct a final test for certification and also for knowledge.
- * In that we want gain good percentage then only that organization will provide a certificate.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
21/10/2022 Day - 1 Fri	Data structures, one dimensional arrays. two dimensional arrays.	Learning DS. 1-D arrays and 2-D arrays.	
Sat Day - 2 22/10/2022	Basic points of stacks Basic points of queue and linked lists.	Learning stacks, queues and linked lists.	
Mon Day - 3 24/10/2022	Basics of trees Basics of Graphs. computer memory	Learning Trees, Graphs and computer memory	
Tue Day - 4 25/10/2022	Algorithms, constructs.	Learning the Algorithms and constructs.	
wed Day - 5 26/10/2022	Repeat for loop, Algorithms using arrays	Learning for loop and Algorithm using array	
Thurs Day - 6 27/10/2022	matrix addition algorithm Logic of matrix multiplication	Learning matrix addition, multiplication Algorithms.	

WEEKLY REPORT

WEEK - 1 (From Dt. 21/10/2022 to Dt. 27/10/2022)

Objective of the Activity Done: To learning the data structures and Algorithms with in the Internshala Training platform
To learning the introduction of Data structure & Algorithm.

Detailed Report:

Data structure :-

It is a programming entities like variables, strings, arrays, stacks, queues, linked lists, trees and graphs. In this there are some operations are there. They are Traversing, inserting, sorting, searching, Deleting, merging.

Introduction of 1D arrays :-

An array is a finite set of the homogeneous elements stored in contiguous memory location. used to store more value are in belonging to same datatype.

Introduction of stacks :-

It is a data structure it follows LIFO principle. Inserting an element into a stack is called pushing. Deleting an element from stack is called popping.

Introduction of Algorithms :-

An algorithm is a finite set of instructions. It is a textual representation of flow of logic. It is independent of any programming language.







Learning constructs :-

I watch and learning selection construct topics. and Repeat while loop, Repeat for loops and its algorithms.

Matrix Addition Algorithm :-

In this I learn how to write an algorithm for matrix addition, logic of matrix multiplication. and its Algorithm.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Fri Day - 1 28/10/2022	Complexity Analysis, Big 'O' notation	Learning complexity Analysis and Big 'O' notation.	
29/10/2022 Day - 2 sat	Single and double dimensional arrays.	Learning single & double dimensional arrays.	
Mon Day - 3 31/10/2022	1-D array programs 2-D arrays programs.	Learning 1-D and 2-D arrays program codings.	
Tue Day - 4 01/11/2022	manipulation of 2-D arrays matrix multiplication- program.	Learning programs of manipulation of 2D arrays & matrix multiplication programs.	
wed Day - 5 02/11/2022	Linear search - program Binary search - Basics.	Learning linear search - program & Binary search - Basics.	
Thurs Day - 6 03/11/2022	Binary search - Algorithm Implementation program.	Learning BS. Algorithm & program.	

WEEKLY REPORT

WEEK - 2 (From Dt. 28/10/2022 to Dt. 03/11/2022)

Objective of the Activity Done: To learning the single and double dimensional arrays and searching and sorting Algorithms.

Detailed Report:

Introduction to structure of C-program:-

I watch and learn structure of C program and IDE's, Introduction, declaration and initialization of 1-D arrays, Reading and processing 1D arrays. Also getting the sum of and average of 1D arrays elements with program.

2-Dimensional Arrays:-

Reading and writing 2D arrays elements with program and advance multiplication of 2D arrays. I was watching videos on Initialization elements of 2D arrays.

Searching:-

I learnt Basics of Linear search and its Algorithm and implementation programme of linear search. Basics of Binary search and its algorithm also learn implementation programme of Binary search.

Sorting:-

I learnt that types of sorting Algorithms and programs and its program codings. Bubble sort, selection sort algorithms & programs codings.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Fri Day - 1 04/11/2022	Bubble sort Algorithm. selection sort Algorithm.	Learning the Bubble sort & selection sort Algorithms.	M.G.
Sat Day - 2 05/11/2022	selection and Bubble sorts programs and quiz	Learning selection & Bubble sorts programs.	M.G.
07/11/2022 Day - 3 Mon	stacks and Queues Algorithms & programs.	Learning stacks and Queues in Briefly.	M.G.
Tue Day - 4 08/11/2022	Basics of pointers with program.	Learning Basics of pointers with program.	M.G.
wed Day - 5 09/11/2022	Pointer Arithmetic subtraction two pointer variables.	Learning pointer Arithmetic.	M.G.
Thur Day - 6 10/11/2022	Dynamic memory allocation Basics of functions	Learning Dynamic memory allocation & Basics of functions.	M.G.

WEEKLY REPORT

WEEK - 3 (From Dt. 4/11/22... to Dt. 10/11/22)

Objective of the Activity Done: To learning the Bubble sort & selection sort Algorithm and stacks and queues Fundamentals.

Detailed Report:

Bubble sort :-

It sorting is a process of given elements are arranging in particular order either ascending or descending. and writing a its algorithm.

selection sort :-

I learnt selection sort and its Algorithm. In each successive pass number of comparison keep decreasing by one and learning implementation programs.







stacks and queues :-

I learnt fundamentals of stacks and Basics of stacks and Algorithm of stacks and Fundamentals of queues and Basics of queues Algorithms of queues. and algorithms for inserting an element in a queue.

Revision of relevant topics in 'C' :-

learning a basics of pointers with program. pointer arithmetic, subtraction two pointer variables, types of pointers. and Basics of function, developing functions - a practical approach scope of variables in functions. Finally I wrote a module test on above topics.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Fri Day - 1 11/11/2022	Name clashing of local & global variables.	Learning name clashing of global & local variables.	
Sat Day - 2 12/11/2022	Basics of structure inc. creating a structure & accessing members.	Learning basics of structure in 'c'	
Mon Day - 3 14/11/2022	Pointer of structure Arrays of structure.	Learning pointer and Arrays structures.	
Tue Day - 4 15/11/2022	Implementation programs with stacks and queues	Learning program codings of stacks and queues.	
Wed Day - 5 16/11/2022	Dynamic memory allocation, Array representation of stacks with program.	Learning Dynamic memory allocation, Array representation of stacks with program.	
Thur Day - 6 17/11/2022	Insertion, deletion elements from stacks and queues.	Learning how to insert & delete elements from stacks & queues.	

WEEKLY REPORT

WEEK - 4 (From Dt. 11/11/22 to Dt. 17/11/22)

Objective of the Activity Done: To learning the structures in 'c' and Implementation of stacks and Queues.

Detailed Report:

Structures in 'c' :

I learnt Basics of structures, structures are a way to group several related variables into one place. and creating a structure and accessing members. and learning the working with multiple structure.

Implementation of stacks :-

We learning push and pop operation in stacks. and prerequisites for implementation program in 'c' pointers, Representing of arrays through pointers. Dynamic memory allocation (using malloc() function) array representation of stacks with program.

Implementation of Queues :-

Whenever an element is added in the stack, it is added on the top of the stack. and the element can be deleted only from the stack of the top. and learn how to inserting and deleting elements of queues, Insertion and deletion in queues takes place from opposite ends of list. To remove an element from a queue, bring that element to the front of the queue and pop it out using the pop() function.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Fri Day - 1 18/11/2022	Basics of linear linked list Algorithms to traverse, insertion of in linear linked list	Learning Basics of linear linked list Algorithms of linear linked list	M.A.
Sat Day - 2 19/11/2022	Algorithm to deletion in linear linked list, Creation, Insertion, searching	Learning Algorithm to deletion & insertion, Creation searching in L.L.L.	M.A.
Mon Day - 3 21/11/2022	Searching a particular node in a linear linked list with code & program	Learning a searching a particular node in a linear linked list.	M.A.
Tues Day - 4 22/11/2022	Deletion problems & circular linked list	Learning the deletion & problems & Basics of circular linked list.	M.A.
wed Day - 5 23/11/2022	Insertion, Deletion node in the circular linked lists.	Learning the insertion, Deletion node in circular linked list.	M.A.
Thur Day - 6 24/11/2022	Doubly linked lists and its Algorithm. module test.	Learning Doubly linked lists & its algorithms.	M.A.

WEEKLY REPORT

WEEK - 5 (From Dt. 18/11/22 to Dt. 24/11/22)

Objective of the Activity Done: To learning linear linked list, circular linked list and doubly linked lists

Detailed Report:

Linear linked list :-

I learnt Basics of linear linked list and Insertion in linear linked list, Algorithm to traverse the nodes of a linear linked list. Algorithm to insert to new node in the beginning, and algorithm to insert to new node after a given node.

Also learning deletion on linear linked list, Algorithm to delete the first node and delete a given node, and creation and insertion and searching.






Circular linked list :-

Learning the circular linked list concept with traversal and Insertion and learning the in circular linked list inserting and deleting elements from circular linked list.

Doubly linked list :-

To learning algorithm for traversal of doubly linked list and inserting a new node before a node with a given node. Inserting a new node after a node with a given address. and Deletion of a node with a given address, problems of creation, Traversal Finally I wrote a module test and get good marks.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Fri Day - 1 25/11/2022	Tree data structure, Binary tree data structure.	Learning Tree and Binary tree data structure.	
Sat Day - 2 26/11/2022	Height of the Binary tree Traversals of Tree data structure.	Learning height of B.T. and Traversals.	
Mon Day - 3 28/11/2022	Algorithm of Tree Traversals, Heap, Binary search tree. module test	Learning Algorithm Traversals & heap, Binary search tree.	
Tue Day - 4 29/11/2022	Graph Data structure types.	Learning Graph Data Structure types.	
Wed Day - 5 30/11/2022	Graphs memory, maps, hashing, module test. Final test ***.	Learning Graph memory, maps, hashing.	
Day - 6			

WEEKLY REPORT

WEEK - 6 (From Dt. 25/11/22... to Dt. 30/11/2024)

Objective of the Activity Done: To learning the Tree data structure and Graph data structure with briefly.

Detailed Report:

Tree data structure:-

I learning the basics of Tree data structure and Two representations of Binary trees in memory, any representation of binary tree, and Linked list representation of binary tree.

And to learning the height of the Binary tree and Traversals of a binary tree that are pre-order In-order and post order Traversals. and its Algorithms

Graph Data structure:-

Learning to basics of Graph data structure and types, Graph memory and Introduction to maps and Hashing and Folding Hash function.

And Finally After 12 module tests I wrote a Final test In that I get a good percentage also I gain the good knowledge about data structures and Algorithms.

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

The first place to introduce your Internshala (Data structures & Algorithms) is in your profile summary. Here you can introduce yourself, your Internshala credentials, and some of your core skills.

In that they provide every topic in some some videos. They explain briefly and full clarification. And also explained that what are uses of this course and importance of these concepts. And future opportunities. And I too learn every point about this topics.

Also I learnt how to learnt computer datastructure and Algorithms. and time management also we learn that how to develop discipline and also we observe the data about data structures and its other applications. Then, I was connected to my teacher I mean those who are teach this topics. that person

I addected to him. I liked to his teaching way and I too learnt in very less time. my friend also helped me for how to complete module test and how to listen classes in this period. firstly my college lecturers are motivated me to join and learn this Intern shala trainings (Data structures & Algorithms).

Briefly I said that I have lot of learning experience on this environment. Also I observe the computer knowledge and data typing and executable skills also. In this little bit tough tasks also I faced but I try to complete with my proficiency. Finally In the last session I complete my final test on the Data structures and Algorithms. I have lot of experience on this platform.

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

Technical skills are the specialized knowledge and expertise required to perform specific tasks and use specific tools and programs in real world situations. Diverse technical skills are required in just about every field and industry from IT and softwares. to health care and education.

In fact, many entry-level positions across industries require basic technical skills, such as cloud computing in google Drive and navigating social media platforms. Examples of more advanced technical skills that a job might require include programming languages technical writing or data analysis.

Unlike work place skills, also called soft skills, such as communication and time management technical skills often require specific education and training to acquire.

Technical skills, sometimes referred as ~~hard~~ skills, involve the practical knowledge you use in order to complete tasks.

- * Data Analysis

- * Computer programming languages.

- * typing skills

- * And coding skills.

- * Time management skills

- * technical skills.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc)

User management:- user management is about more than just creating user profiles and permissions, it's about being a champion for your users and taking the time to understand how they do their job and what makes them successful.

Leadership skills:- In much the same way that a good idea can come from anywhere, leadership can come from anyone within an organization. Being an internshala puts you in a really unique position within a company

- * writing a codings
- * creating training materials.
- * Building and delivering workshop materials.
- * Deming new features for users and executives.

Technical skills: Technical skills are important for internshala trainers as they will help you work more efficiently within your organization, especially when navigating a complex task as an internshala trainer.

Project Management Skills:-

An effective Internshala will proactively apply their knowledge, skills, tools, and techniques to activities aimed to learn coding and knowledge and meet their goals and needs.

1. Leadership.
2. Task management
3. Scheduling
4. Quality management
5. Planning
6. Execution.

Industry Skills: Having the good coding skills then we make to software developers. So that we must have industry skills.

Programming Skills:

- * Analytical skills.
- * Communication skills
- * Problem solving skills
- * Logical skills

To become a successful software developer you need to have a good understanding of coding and be comfortable with coding.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

These are the how could I improve my communication skills in the period of Internship.

1. Listening:-

Listen, listen and listen, people want to know that they are being heard. Really listen to what the other person is saying, instead of formulating your response. Ask for clarification to avoid misunderstanding. At that moment, the person speaking to you should be the most important person in your life. Another important point is to have one conversation at a time.

2. Talking with people:-

Who are talking to matters. It is okay to use acronym and informal language when you are communicating with a buddy, but if you are emailing or texting your boss. "Hey", "Hello" or any informal language, has no place in your message.

3. Body Language:-

This is important for face-to-face meetings and video conferencing. Make sure that you appear

accessible, so have open body language keep eye contact. so that other knows that you are paying attention.

4. Treat everyone equally. Do not talk down to anyone treating everyone with respect. treat others as your equal.

5. maintain a positive attitude and smile even when you are speaking on the phone, smile because your positive attitude will shine through and the other person will know it. when you smile often and exude a positive attitude, people will respond positively to you.

6. Think before you speak. Always pause before you speak, not saying the first thing that comes to mind. Take a moment and pay close attention to what you say and how you say it. This one habit will allow you to avoid embarrassment.

communicating effectively is a teachable skill, therefore following a few of the tips outlined above will enable you to hone up on your communication skills.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

How could I enhance my abilities in group discussions, participation in teams, contribution as a team member leading a team is all given below.

Group think:

This happens when people place a desire for consensus above their desire to reach the right decision. This prevents people from fully exploring alternative solutions.

Evaluation apprehension:

Team members perceptions can also create a negative group dynamic. Evaluation apprehension happens when people feel that they are being judged excessively by other group members, and they hold back their opinions as a result.

Free Riding:

Here, some group members take it easy, and leave their colleagues to do all the work. Free riders may work hard on their own, but limit their contribution in group situations.

Focus on Communication:

Open communication is central to good team dynamics, so make that everyone is communicating clearly.

How I could have done to improve my contribution to my group.

- * Develop a team mentality. Think "we" not "me"
- * Be open to the ideas of our teammates.
- * Be respectful to others.
- * Be approachable.
- * Be a role model
- * Accept others as they are
- * Avoid rewarding people for things they do not any one you.
- * Celebrate your team's achievements.
- * Avoid territorialism.
- * Play a positive role at team meetings.
- * Share information readily.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

The technological development I have observed and relevant to the subject area of training. In order to be irreplaceable, one must always be efficient. Data structures and algorithms are the identity of a good software developer. And some of the software developers are knowing the data structures mainly. Data structures are also used in real time applications. The tree and Graph data structures are more importance in software. And the coding technology is the most important and valuable at present generation. Most of the people can choose their goals from software side. So that when we went to software field we want know and learnt basics of computer and that relevant topics. That's why I too choose this data structure and Algorithm topic. Data structures and Algorithms are the base of the all programming languages. and other purpose.

This course or training is helpful for the C programming and Algorithms related topics. The C programming is the most useful to present software field. If we do any programming coding we have to learn the C programming basics. So that. In this training I have to learnt all basics of C programming and related topics. That's why I called it has useful for me in future also and job purpose also. I learnt some spoken English skills also. Communication skills and technical skills also I learned. Internshala is a technology company committed to help students gain the market relevant skills and offer them a practical exposure through various internships and online Internshala training programs. The company is located in Gurgaon and was founded in the year 2010.

Student Self Evaluation of the Short-Term Internship

Student Name: Bunekunta Babu

Registration No: 0321014048

Term of Internship: 2 months

From: 21-10-2022 To: 30-11-2022

Date of Evaluation: 14-12-2022

Organization Name & Address: Internshala Trainings

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date: 14-12-2022

B. Babu
Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Student Name: Bunekunta Babu	Registration No: 0321014048
Term of Internship: 2 months	From: 21-10-2022 To: 30-11-2022
Date of Evaluation: 15-12-2022	
Organization Name & Address: Internshala Trainings	
Name & Address of the Supervisor with Mobile Number	

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

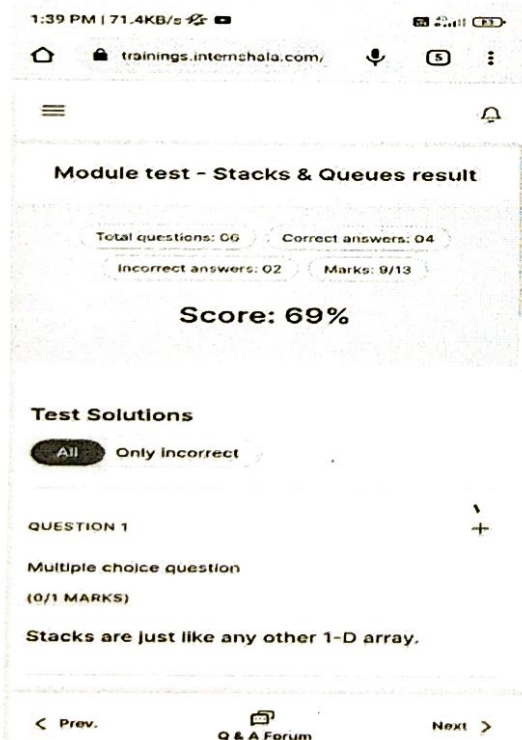
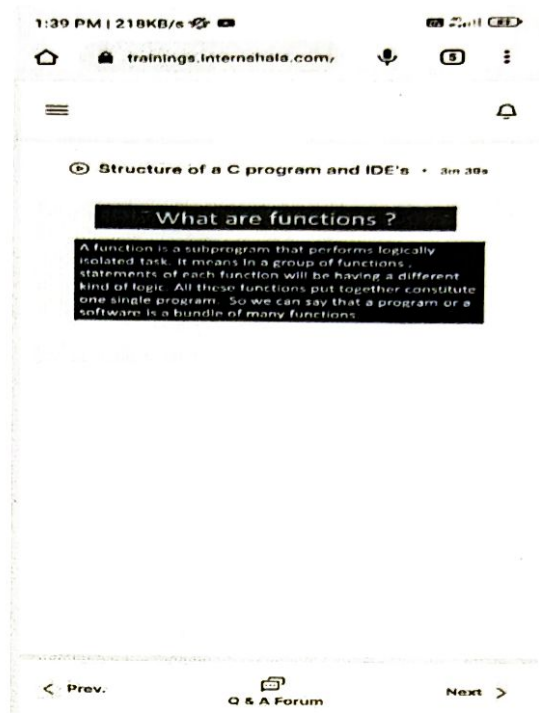
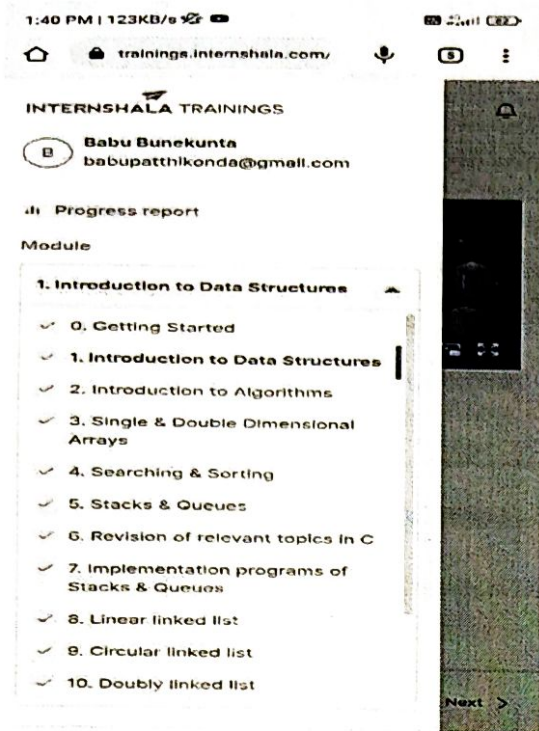
Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
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14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

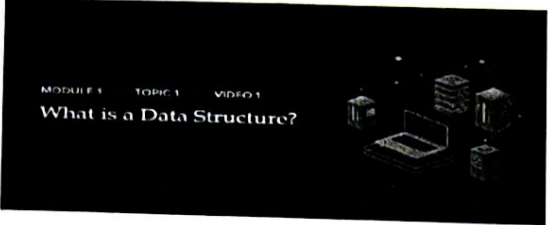
Date: 15-12-2022.


Signature of the Supervisor

PHOTOS & VIDEO LINKS



🕒 What is a Data Structure? • 5m 8s



Multiple choice ⌚ 17:42 3 MARKS

Suppose "arr" is the array sorted in descending order, lft left-most subscript, rt rightmost subscript, and md middle subscript. Find the error in the logic of the following code that searches val -

```
While (lft<=rt)
{
  if (val>arr[md])
  lft=md+1 ;
  else
  if (val<arr[md])
  rt=md-1 ;
  else
  md=(lft + er)/2 ;
}
```

EVALUATION

- b. Real Time Technical Skills acquired.
- c. Managerial Skills acquired.
- d. Improvement of Communication Skills.
- e. Team Dynamics
- f. Technological Developments recorded.

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: BUNEKUNTA BABU

Programme of Study: B.Sc

Year of Study: II year

Group: v MPC

Register No/H.T. No: 0321014048

Name of the College: SVCR Govt. Degree college, palamaner.

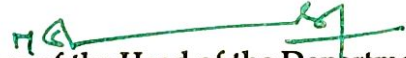
University: Sri Venkateshwara University, Thirupati.

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	25	20
2.	Internship Evaluation	50	42
3.	Oral Presentation	25	18
	GRAND TOTAL	100	80

Date: 15-12-2022.


Signature of the Faculty Guide

Certified by

Date: 16-12-2022  Signature of the Head of the Department/Principal

Seal:

M. SURYA SURESH REDDY
Asst. Professor In Physics
S.V.C.R. Govt. Degree College
Palamaner, Chittoor, (Dt.) A.P
Pin: 517408



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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