



NARAYANA ENGINEERING COLLEGE::NELLORE



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Accorded 'A' grade by Govt. of AP, Recognized by UGC 2(f) & 12(B),
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Department of Computer Science & Engineering - Career Guidance Cell **Academic Year : 2019-2020**

Date : 24-09-2019

Report on "Career in C Programming" (Opportunities in IT Industry)

1	Name of the Activity/Event	" Career in C Programming " (Opportunities in IT Industry)		
2	Date of Activity/Event	24 th September 2019		
3	Organized by/Name of the committee	Career Guidance Cell		
4	Place of Activity/event	A Block, Class Room A-225		
5	Resource person/guest/organization	C. Rama Mohan, M.Tech., (Ph.D) , Assistant Professor, Department of CSE, NECN		
6	Type of activity/Event	Career Guidance Program		
7	Activity/Event objectives	Knowledge in Problem Solving, Career in C Programming, Education Required for Career in C Programming, Career Path in C Programming, Job Positions or Application Areas For Career in C Programming, Career Outlook.		
8	Participation	Students	Faculty	Total Participation
		63	02	65
9	Enclosures	1.Circular 2.Report 3.Photos		
10	Signature of the In charge / Convener	C. Rama Mohan		

Narayana Engineering College, Nellore has organized an awareness Program on "**Career in C Programming**" (Opportunities in IT Industry) on **24th September 2019**. The Resource Person Mr. C. Rama Mohan, M.Tech., (Ph.D), Assistant Professor, Department of Computer Science & Engineering, NECN took over the session and created awareness among the students regarding Opportunities in C Programming. In this programme, the resource person explained about the programming knowledge and skills that a computer science student must have to get an opportunities in IT Industry.

He specified that a CSE student must be aware of Knowledge in Problem Solving, Career in C Programming, Education Required for Career in C Programming, Career Path in C

Programming, Job Positions or Application Areas For Career in C Programming, Salary, Career Outlook, Conclusion – Career in C Programming, and must be able to have the knowledge about Career in C Programming language.

Career in C Programming – Introduction

C is a computer programming language and it is the one of most widely used programming language. It was designed by Dennis Ritchie. It was originally developed by Dennis Ritchie and Bell Labs. It first appeared in the year 1972. There are many operating systems and compilers mainly written in C as it produces efficient programs like Unix OS. C can also handle low-level activities and compiled a variety of computer platforms. The other example of using C is in areas of network drivers, databases, modern programs, utilities, assemblers, OS, language compilers etc.

C is being referred to as the basic programming language for the programmers to start using the programming language in their career. You can't ignore C programming language in your programming career. C is typically used for writing code for embedded systems. C is also ranked as one of the topmost languages across the world. C programming language helps in understanding the different variables, data types etc. With help of learning C programming language, one would know how to write the high-quality code.

Education Required for Career in C Programming

As such, there is no particular education required for learning C programming language. C is referred to as the basic language and it has been taught in school as well. To learn C, you should have basic computer knowledge. There is no specialization is required to learn C. Before start programming C, the computer should have C compiler to execute the code which converts C code into machine code. The other software required in a computer is Text editor to write the C program. Notepad and notepad++ can be used to write the C programs. The file name extension of these programs should be '.c'. The different IDE (Integrated Development Environment) can be used as well. Some developers are mainly preferred to work in IDE rather than a text editor. The IDE is like Visual studio, eclipse etc. As C is referred as the basic language, so while learning this programming language you will learn many important things like decision making, branching, looping, use of operators, the syntax of programming, and logic building which will help you in learning other languages as well. To learn C, there are many online portals, forums or online video tutorials available.

Career Path in C Programming

There are different views of individuals on a career path for C as some people want to learn other language but some are happy in learning C language. C language is easy to learn but for having a good career in this language one has to be good in C programming. C programming is very wide and mainly used for developing different types of operating systems, network drivers, used in developing other programming languages, security purposes, use of kernels, tokens etc. C is a programming language that is always in demand despite many other popular

programming languages. C has great opportunities in terms of building career around the world and helps in applying for the real-time programming positions.

Job Positions or Application Areas For Career in C Programming

There are different Job positions or application areas for a career in C programming language, where an individual can apply as per his/her knowledge. In India, there are different sites where you can check the openings or open job positions for different roles like Senior engineer, Technical architect, team lead. It helps in making yourself available for entry-level programming positions, once having experience in this language you are available for high roles as well. The best part of having C programming language as skill set is individual can fit into any domain whether it can be banking, networking, IT, education, management, etc. Almost every organization do need C programming developer. In many organizations, there are dedicated job position and levels for the C programmer which make them different from other language programmers.

Salary

The C programmers are getting good salary. For C programmer, the salary is about 77K USD per year and for a senior programmer, it is around 96K USD per year, for software engineer it is around 105K USD per year and senior software engineer it is around 120K USD per year. So, the average of the C programmer is between 65K USD per year to 120K USD per year. These salaries are mainly based on a survey of different organizations. The salary of the programmers has increased or we can say the developer's salary increased as per their knowledge and training and problem-solving capability.

Career Outlook

The career outlook in C programming is good. Mainly the programmers need the technical skill in C programming to write and develop the software programs that can be used across different platforms to control the flow of data to retrieve or store. For having a good career and instant job, programmers do need a computer programming degree which will prepare them to use the technology, help in creating business solutions, and resolve business problems effectively. C programming has a very good career like opportunities in different field like robotics, Artificial intelligence, machine learning, etc. The C programmers not only work in the field of computer only, but they can also pursue their career in Education, teaching, Government sectors, etc. as some of the programmers have a different specialization like in system analysis, project management, information systems, etc. The career outlook of C programmers is continuously growing because of the rapid social, business and technology changes.

Conclusion – Career in C Programming

C programming language requires a lot of passion to learn and develop different software programs. One should have eager to learn things, logical thinking, creativity, imagination and experience things and curiosity. It takes a lot of time to achieve things and having a reasonable level of competence and never stop learning attitude makes the difference. If one is able to write the software programs and understand the logic or create the new thing of existing that is perfect

for software programming. C being the simple, basic and providing good career, salary and Job position is the most widely used and perfect for beginners to start learning to the program and take their career to the next level.

63 students of III B.Tech (CSE) have attended the session and cleared the queries regarding their Career in C Programming. The session is about Career in C Programming and survival techniques in IT industry. The whole programme is conducted with the prior permission of the principal Dr. G. Srinivasulu Reddy sir, Head of the Department Dr. C. Rajendra sir, and professor in charge of career guidance cell Mr. V. Muniraju Naidu sir.



Faculty In charge

Professor In charge

HOD-CSE