


## SPOKEN TUTORIAL – ADVANCED CPP

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### Workshop / Training Participants

**Institution Name** Government Degree College(W) Visakhapatnam, Andhra Pradesh  
**Foss** Advanced Cpp  
**Date** July 1, 2020  
**Participants Count** 55  
**Organiser** Aruna Padma D

#	First Name	Last Name
1	ADDURI	SUPRIYA
2	AKKIREDDY	VASANTHA SAI
3	ALIBILLI	PADMA
4	AVALA	SIREESHA
5	BADE	MEENA
6	BALIREDDI	DEEPIKA
7	BANALA	VENUKA
8	BARLA	YAMINI
9	BARNIKALA	VARA LAKSHMI
10	BELAGAM	SAI MOUNIKA
11	BHEEMIREDDY	LAVANYA
12	CHINTHA	PRAGNYA
13	DWARAPUDI	DHARANI
14	GAJJI	ANUSHA
15	GOLLAPALLI	CHANDINI
16	GOLLAPALLI	KAVYA

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17	GORLI	RAJESWARI
18	JAGARAPU	CHINNI
19	JANA	HYMAVATHI
20	KADA	HARITHA
21	KANDIPILLI	BALASRI
22	KOLA	DEVI
23	KOMMOJU	KEERTHI SAI
24	KOPPU	BABY PRIYANKA
25	KORUBELLI	LIKHITHA
26	LEKKALA	REVATHI
27	MANDALA	SRAVANI
28	MUKHE	NALINIPRIYA
29	NARAMSETTY	NAVYATHA SIRISHA
30	NELLURI	DEEPIKA
31	PEDIREDLA	SINDHU
32	PINABOYANA	SUJATHA
33	POTNURI	YAMINI
34	RAJAPU	INDRANI
35	RONGALI	SAHITHI
36	SABBARAPU	TULASI
37	SADHIYA	TABASSUM
38	SAMMIDI	HEMA LATHA
39	SARADI	DEVI
40	SHAIK	PARVEEN
41	SURAKALA	DHARANI

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42	UNGARALA	KRISHNASARANYA
43	VAMMARI	GEETHIKA
44	VANTAKU	SUNEETHA
45	VARRI	THANUJA
46	VEMALA	BHARGAVI
47	YEDUVAKA	LAVANYA
48	CHINTHALA	KUSUMA
49	NERELLA	KANAKA PYDI LAKSHMI SOWJANYA
50	RAIGURU	SUNEETHA
51	VEPADA	PADMA SAI LAKSHMI
52	DOVARI	SAILAKSHMI
53	POTHALA	BHARGAVI
54	RAJANA	JYOTHI
55	RAPETI	MOUNIKA

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# Syllabus



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C++ is a programming language developed by Bjarne Stroustrup starting in 1979 at Bell Labs. C++ is a statically typed, free-form, multi-paradigm, compiled, general-purpose, powerful programming language. C++ is an object oriented language. It supports features like classes and objects, Polymorphism, Encapsulation, Inheritance etc. C++ is also used for hardware design. [Read more](#)

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### 1. Classes And Objects

Basic

Foss : *Advanced Cpp - English*

Outline: Classes and Objects in C++ -Defining Classes -create a class -Defining Objects -create an object of the class -Member Functions -To create a function -Encaps..



### 2. Constructor And Destructor

Basic

Foss : *Advanced Cpp - English*

Outline: Constructor and Destructor -Constructor and Destructor -To create a constructor - Parameterized constructors -Default constructor -Destructor



### 3. Static Members

Basic

Foss : *Advanced Cpp - English*

Outline: static members in C++ -Static Keyword -Static variable -Static member function



#### 4. Inheritance

Foss : *Advanced Cpp - English*

Outline: Inheritance -Inheritance -Concept of subclass and superclass -Types of inheritance - single level inheritance -Multilevel inheritance

Basic

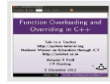


#### 5. More On Inheritance

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Outline: More on Inheritance -Multiple Inheritance \* derived class inherits from more than one base class. -Hierarchical Inheritance \* multiple derived classes inherit f..

Basic



#### 6. Function Overloading And Overriding

Foss : *Advanced Cpp - English*

Outline: Function overloading -function overriding -difference between both

Basic



#### 7. Polymorphism

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Outline: Polymorphism in C++ -Polymorphism -Virtual Members -Virtual Function

Basic



#### 8. Abstract Class

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Outline: Abstract class in C++ -Pure virtual function-abstract class -abstract methods

Basic



#### 9. Friend Function

Foss : *Advanced Cpp - English*

Outline: Friend Function -friend function

Basic



#### 10. Exception Handling

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Outline: Exception Handling -Exceptions -try -throw -catch

Basic



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## OUTCOME

55 students learnt Advanced CPP course attempted Exam and got Certificate along with the Programming skills