



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

L.B.REDDY NAGAR, MYLAVARA M, KRISHNA DIST., A.P.-521 230

Accredited by NAAC & NBA (Under Tier-I) and Certified by ISO 9001:2015

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on TWO Week Certification Course on “Programming Essentials of C++” for Students

Event Type	: Certification Course
Date(s)	: 15-05-2020 to 30-5-2020
Name of the Coordinator	: G Balu NarasimhaRao
Target Audience	: II B.Tech CSE Students
Resource Person	: Cisco Netacademy

Objective:

The objective of the Certification Course is to bring awareness to students about programming essentials of C++. This course includes discussion about introduction to compiling and software development. Also contains various concepts of C++ like Strings processing, exceptions handling, dealing with namespaces, dealing with classes and objects, class hierarchy and inheritance. The students were given guidance to create their own account in Cisco Netacad platform which contains different modules and tool to practice.

Total Participation: 130

Feedback:

- Students requested department to organize such Certification Course in future also to improve their awareness about programming Skills.
- Students said they got more knowledge about C++ course because of detailed explanation of each topic with inbuilt compiler to practice programs.



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Fig: C++ Course Syllabus

Course Syllabus

The course discusses the following concepts:

- Introduction to compiling and software development,
- Basic scalar data types, operators, flow control, streamed input/output, conversions,
- Declaring, defining and invoking functions, function overloading,
- Data aggregates,
- Strings processing, exceptions handling, dealing with namespaces,
- Object-oriented approach and its vocabulary,
- Dealing with classes and objects, class hierarchy and inheritance,
- Defining overloaded operators, self-defined operators, exceptions,
- Fundamentals of STL.

Fig: List of Practice Quizzes

Practice Quizzes		
	Chapter 1 Quiz 10 pts 10 Questions	
	Chapter 2 Quiz 10 pts 10 Questions	
	Chapter 3 Quiz 10 pts 10 Questions	
	Chapter 4 Quiz 10 pts 10 Questions	
	Chapter 5 Quiz 10 pts 10 Questions	
	Chapter 6 Quiz 10 pts 10 Questions	
	Chapter 7 Quiz 10 pts 10 Questions	
	Chapter 8 Quiz 10 pts 10 Questions	



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Fig: List of Assessments

▼ Assignment Quizzes		
	Chapter 1 Assessment 20 pts 20 Questions	 ⋮
	Chapter 2 Assessment 20 pts 20 Questions	 ⋮
	Chapter 3 Assessment 20 pts 20 Questions	 ⋮
	Chapter 4 Assessment 20 pts 20 Questions	 ⋮
	Chapter 5 Assessment 20 pts 20 Questions	 ⋮
	Chapter 6 Assessment 20 pts 20 Questions	 ⋮
	Chapter 7 Assessment 20 pts 20 Questions	 ⋮
	Chapter 8 Assessment 20 pts 20 Questions	 ⋮
	Final Test 50 pts 50 Questions	 ⋮
	Mock Test 40 pts 40 Questions	 ⋮

Event Coordinator

Head of the Department