



K. S. Institute of Technology, Bengaluru
Department of Artificial Intelligence and Machine Learning
Internship Program for 3rd Semester Students

15-10-2022

Circular

Department of Artificial Intelligence and Machine Learning has planned to conduct technical session on “Object Oriented Programming using C++ and Introduction to Fourth Generation Technologies” for Mandatory Internship program. The training period is from 17-10-2022 to 21-10-2022 from 9.15am to 3.15pm. Training will be conducted in Mechanical Seminar Hall, 2nd Floor, New Building. Respective class teachers will be taking the attendance in first 15 minutes of each session.

Note:

- Students are informed to bring their fully charged laptops (if available) for Hands-on session or else can share with their friends.
- Students are informed to provide feedback and assessment for each day.
- 95% attendance is compulsory.

M. S. Narayana

HOD

Head of the Department
Artificial Intelligence & Machine Learning
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Bengaluru - 560 109

Dr. Kumar. G.

PRINCIPAL



KS INSTITUTE OF TECHNOLOGY, BANGALORE-109

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
ACADEMIC YEAR 2022-2023

INTERNSHIP PROGRAM FOR SEMESTER - III

Content of the Course:

Course Code	Title	Course Plan	Venue
21CS382	Object Oriented Concepts using C++ and Fourth Generation Technologies	17 th to 21 st of October 2022	TCE Seminar

Sl.No.	Date	Timing	Topic
1	17-10-2022		Session 01
		9 30 AM-11:00 AM	Introduction to object-oriented programming Comparison of OOPS with structured programming Basic concepts of OOPS-object, Class-Syntax
		11:00 AM-11:15 AM	Tea Break
		11:15 AM-12:30 PM	Session 02: Data encapsulation, Abstraction, Keywords, C-In and C-Out objects, IO-stream classes, Strings, Structure of a C++ Program
		12:30 PM-01:15 PM	Lunch Break
		01:15 PM-03:15 PM	Session 03: Hands-on on C++ programs Hello world, GCD and LCM, Palindrome, largest of 3 No., even or odd, print natural numbers 1 to n, Prime no or Not etc
2	18-10-2022	9 30 AM-11:00 AM	Session 01: Constructors, Multiple Constructors in a class, Copy Constructors, Dynamic Constructors
		11:00 AM-11:15 AM	Tea Break
		11:15 AM-12:30 PM	Session 02: Destructors, Derived Classes, Single/ Multilevel/ Multiple Inheritance
		12:30 PM-01:15 PM	Lunch Break

		01:15 PM-03:15 PM	Session 03: Compilation and execution of C++ programs on above topics
3	19-10-2022	9 30 AM-11:00 AM	Session 01: Operator overloading, Functions, Inline Function, Function overloading, Friend and Virtual Functions
		11:00 AM-11:15 AM	Tea Break
		11:15 AM-12:30 PM	Session 02: Polymorphism, THIS-Pointer, Static Data Member, Abstraction
		12:30 PM-01:15 PM	Lunch Break
		01:15 PM-03:15 PM	Session 03: Compilation and execution of above topics
4	20-10-2022	9 30 AM-11:00 AM	Session 01: Introduction to big data analytics, cyber security and blockchain
		11:00 AM-11:15 AM	Tea Break
		11:15 AM-12:30 PM	Session 02: Introduction to Artificial intelligence and machine learning
		12:30 PM-01:15 PM	Lunch Break
		01:15 PM-03:15 PM	Session 03: Applications of machine learning in web mining Applications of deep learning
5	21-10-2022	9: 30 AM-3:15PM	Mini project
		11:00 AM-11:15 AM	Tea Break
		12:30 PM-01:15 PM	Lunch Break

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