



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

Phone: 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**AM007****NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**C PROGRAMMING - AN INDUSTRY PERSPECTIVE**

| | |
|------------------------------|--|
| Event No | AM007 |
| Organizing Department | Artificial Intelligence and Machine Learning |
| Date | 22/11/2022 to 26/11/2022 (5 Days) |
| Time | 09:30 AM to 04:30 PM |
| Event Type | VAC / Training Program |
| Event Level | Dept. Level |
| Venue | Intel Lab (NMS Lab) |
| Total Participants | 138 |
| Industry Personnel | 69 |
| Students - Internal | 69 |

Related SDG**Resource Persons**

| Sl | Type | Name | Designation | Company | Email | Phone |
|----|-----------------|-------------------------|-------------------|------------|-----------------|------------|
| 1 | Resource Person | Mr YOGESH RAJE | Technical Trainer | Intel FICE | yogesh@fice.in | xxxxxxxxxx |
| 2 | Resource Person | Mr BHAWANI SHANKAR SAHU | Technical Trainer | Intel FICE | bhawani@fice.in | xxxxxxxxxx |

Involved Staffs

| Sl | Name | Role |
|----|-----------------|-------------|
| 1 | Pandiya Rajan G | Coordinator |

Outcome

Discuss the problem solving through computer programming.

Evaluate the reusability of the developed programs.

Extend the various control statement and loop structures.

Experiment the different array concepts.

Develop programs for pointers.

Develop programs for string manipulate.

Event Summary

KPR Institute of Engineering & Technology (Department of CSE - AIML) has signed an MoU with INTEL FICE to implement the Intel® College Excellence in our institute. The memorandum entailed the establishment of Intel® Intelligent Systems Lab with associated curriculum, training of the trainers and mentoring along with ongoing collaboration/support.

FICE uses a combination of methods for effective knowledge transfer and skill development, keeping in mind the convenience of the program participants and the partner institutes. The Intel® College Excellence Program was implemented successfully at KPR Institute of Engineering & Technology using the below-mentioned delivery methodologies.

Day 1:

Introduction to ANSI C, Namespaces - Structure of C program - Data Types and Operators - Types of Statements (Conditions and Loops) - Logical Programming (Exercises)

Day 2:

N Dimensional Arrays - Working with Strings - Pointers - User defined Functions - Logical Programming (Exercises)

Day 3:

Recursive Functions - C Libraries - Enum, Structure and Union - File Handling - Logical Programming (Exercises)

Day 4:

Object Oriented Programming Paradigms with C++ - Inheritance and access specifiers - Overloading and overriding concepts - Abstract

Classes and virtual functions - Logical Programming (Exercises)

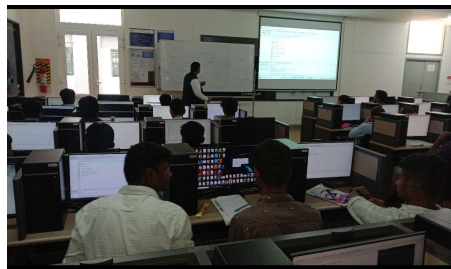
Day 5:

Intel oneAPI and DPC++ Fundamentals - Unified shared memory - Parallel processing

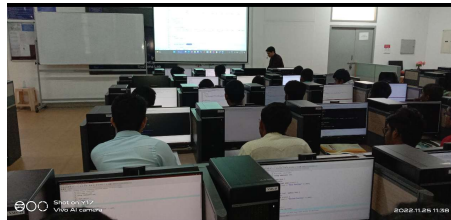
The Intel® Faculty Development Program achieved its objectives and goals and created the intended impact among its 69 nos. of student participants empowered with market relevant skills and technical understanding, and the institute with a state-of-art, sustainable technical infrastructure. The quantitative evaluation of the participants resulted in successfully completing the program with the score of (100%)



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