



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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CS056**NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**COMPILER DESIGN**

Event No	CS056
Organizing Department	Computer Science and Engineering
Date	13/03/2023
Time	02:00 AM to 04:00 AM
Event Type	Guest Lecture
Event Level	Dept. Level
Meeting Medium	
Meeting Link	https://us06webzoom.us/j/82266403280
Total Participants	201
Faculty - Internal	3
Students - Internal	198

Related SDG**Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr Ahamed Abdi Yusuf Ali	Senior Lecturer	University of Johannesburg, South Africa	aali@uj.ac.za	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Sivaramakrishnan R	Coordinator
2	Balamurugan Arumugam	Coordinator

Outcome

After attending the guest lecture, the students were able to:

1. Understand the fundamentals of compiler design and its importance in software engineering.
2. Recognize the various intermediate languages and their role in code generation.
3. Understand code optimization techniques and their impact on software performance.

Event Summary

The Department of Computer Science and Engineering recently organized an online guest lecture on "Compiler Design" for the students of III CSE. The lecture was held on 13.03.2023 and lasted from 02:00 pm to 03:30 pm. The lecture was conducted via a Zoom meeting and was coordinated by Dr. R. Sivaramakrishnan, AP(Sr.G)/CSE, and Dr. A. Balamurugan, Prof/ CSE.

The guest speaker for the lecture was Dr. Ahamed Abdi Yusuf Ali, who is a Senior Lecturer in Electrical Engineering Technology at the University of Johannesburg, South Africa. Dr. Ali has extensive experience in the field of computer science and engineering, and his lecture covered important topics such as an introduction to compilers, intermediate languages, and code optimization.

The main objective of the lecture was to provide students with a comprehensive understanding of compiler design and its importance in software engineering. In addition to theoretical concepts, Dr. Ali also covered practical applications and techniques used in the industry. Students had the opportunity to interact with Dr. Ali and gain insights into the latest developments in the field of Computer Science and Engineering and Artificial Intelligence as well.

Overall, the guest lecture was an enriching experience for the students of III CSE. The lecture was well-coordinated by the department, and the guest speaker was highly knowledgeable and engaging. The lecture provided students with a deeper understanding of compiler design, its practical applications, and its importance in the field of software engineering. It also provided them with insights into the latest developments in the field of computer science and engineering, which will undoubtedly prove useful for their future careers.

The poster is for a guest lecture titled "Compiler Design" organized by KPR Institute of Engineering and Technology. It features logos for the institute, the Department of Computer Science and Engineering, and the Great Choice Work award. The resource person is Dr. Ahmed Abdi Yusuf Ali, a Senior Lecturer at the University of Johannesburg. The event is scheduled for 20th and 27th March 2023 on the Zoom platform from 02:00 PM to 04:00 PM. Coordinators are Dr. B. Sivaramakrishnan and Dr. A. Selvamugan, and the convener is Dr. N. Yuvraj. The poster includes social media icons for LinkedIn, Facebook, and YouTube, and the website kpriet.ac.in.

Click to View

A screenshot of a presentation slide showing the stages of compiler design. The stages are: Source Code, Pre-processor Code, Compiler, Assembler, Linker, and Memory. The slide also includes a diagram of a computer system with components like CPU, Memory, and I/O devices.

Click to View

A screenshot of a Zoom meeting interface. The main window shows a slide with the name "Ahmedali" in large white text on a black background. The right side of the screen shows a list of participants and a chat window with messages.

Click to View

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