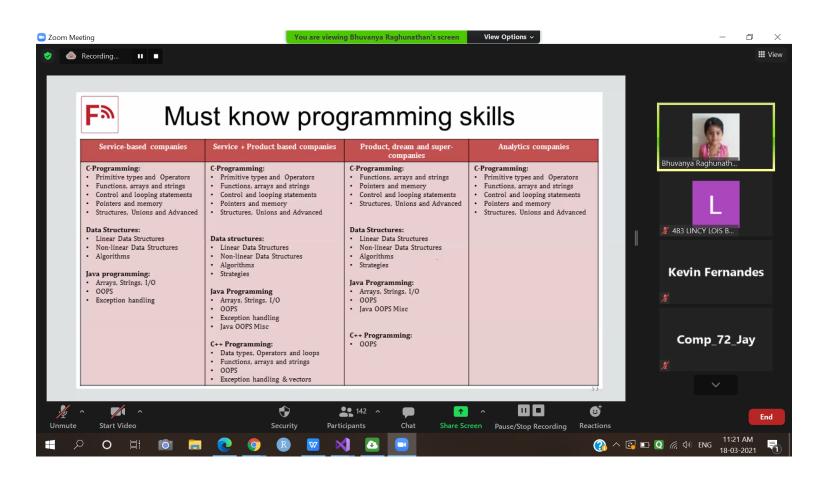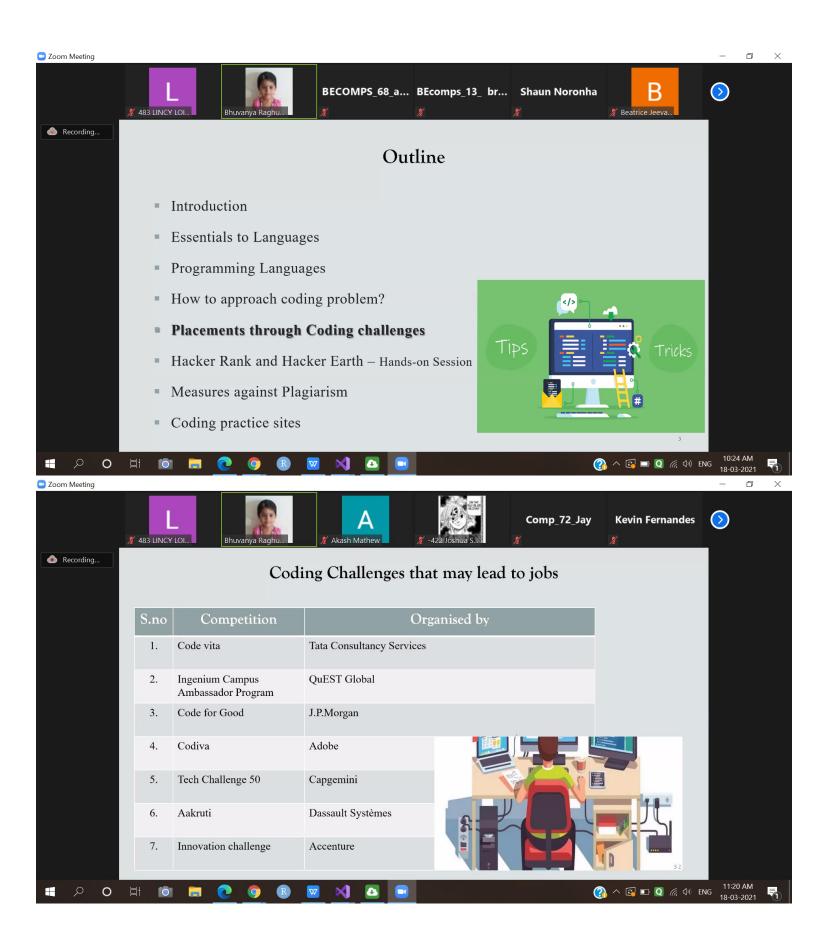# XAVIER INSTITUTE OF ENGINEERING
A SISTER INSTITUTION OF ST. XAVIER'S COLLEGE

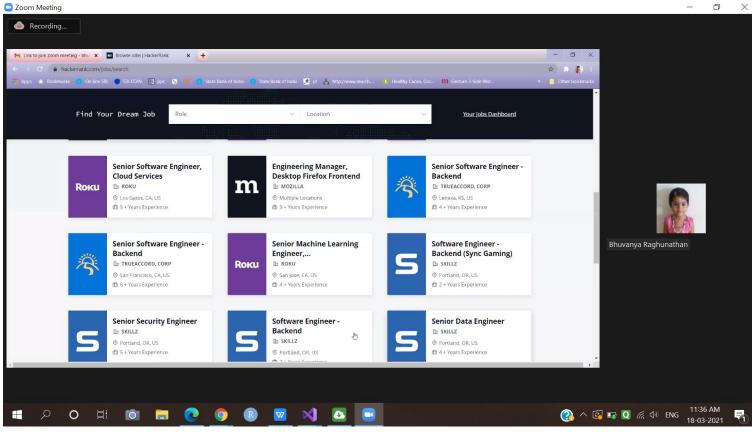### Guest Lecture on "Code for placements-Essentials of Hacker rank & Hacker earth"

DATE: 18/03/2021

Event Coordinator(s)

1. **S.Beatrice**
2. **Kirti Motwani**

Student Coordinator(s)

1. **Lincy Lois Brian**
2. **Kevin Fernandes**

Time & Place:

Zoom Online

18/03/2021

10:15am - 12:30pm,

Xavier Institute of Engineering

Department:

Computer Engineering

No of participants: 145

EVENT : Code for placements-Essentials of Hacker rank & Hacker earth

Details of the resource person:. Ms.Bhuvanya, Research scholar in Dr.Sagunthala R&D Institute of science & Technology, Chennai

Short description:

Target audience: Computer engineering students

Purpose:

Explain the importance of coding

Provide various resources to improve coding skills

Benefits:

Improve creative and critical thinking

Help students in securing better job opportunities

Enhances knowledge about programming languages.

The event was held on zoom online platform, around 145 students from SE, TE and BE Computer branch attended the event.

The event began with a general introduction about importance of coding, followed by the actual working of programming languages and involved components.

After which began the introduction about various online coding platforms and their placement opportunities. Students were also guided about the ways and need to avoid plagiarism in such hackathon.

Student Feedback and Benefits:

It was quite informative and beneficial for second, third and fourth year students as it covered almost all doubts regarding coding and taking up coding challenges.

Must know programming skills

Service-based companies	Service + Product based companies	Product, dream and super-companies	Analytics companies
C-Programming: • Primitive types and Operators • Functions, arrays and strings • Control and looping statements • Pointers and memory • Structures, Unions and Advanced	**C-Programming:** • Primitive types and Operators • Functions, arrays and strings • Control and looping statements • Pointers and memory • Structures, Unions and Advanced	**C-Programming:** • Functions, arrays and strings • Pointers and memory • Control and looping statements • Structures, Unions and Advanced	**C-Programming:** • Primitive types and Operators • Functions, arrays and strings • Control and looping statements • Pointers and memory • Structures, Unions and Advanced
Data Structures: • Linear Data Structures • Non-linear Data Structures • Algorithms	**Data structures:** • Linear Data Structures • Non-linear Data Structures • Algorithms • Strategies	**Data Structures:** • Linear Data Structures • Non-linear Data Structures • Algorithms • Strategies	
Java programming: • Arrays, Strings, I/O • OOPS • Exception handling	**Java Programming** • Arrays, Strings, I/O • OOPS • Exception handling • Java OOPS Misc	**Java Programming:** • Arrays, Strings, I/O • OOPS • Java OOPS Misc	
	C++ Programming: • Data types, Operators and loops • Functions, arrays and strings • OOPS • Exception handling & vectors	**C++ Programming:** • OOPS	

53

Outline

- Introduction
- Essentials to Languages
- Programming Languages
- How to approach coding problem?
- **Placements through Coding challenges**
- Hacker Rank and Hacker Earth – Hands-on Session
- Measures against Plagiarism
- Coding practice sites

3

Coding Challenges that may lead to jobs

S.no	Competition	Organised by
1.	Code vita	Tata Consultancy Services
2.	Ingenium Campus Ambassador Program	QuEST Global
3.	Code for Good	J.P.Morgan
4.	Codiva	Adobe
5.	Tech Challenge 50	Capgemini
6.	Aakruti	Dassault Systèmes
7.	Innovation challenge	Accenture

52

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