

A Report on
Two-weeks External Training on
"CodeCraft - Company Specific Coding Skills Development"
Organized by
Department of Computer Science and Engineering (Artificial Intelligence)
from 30.06.2025 to 11.07.2025



Report Submitted by: Mr. P. Raguraman, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence)

Resource Person Details: Mrs. S. Anushya, FreeLancer

Venue : Seminar Hall –D, WB 223 (AI LAB)

Participants: 161 Students

Timings: 9.30 AM To 4.30 PM

Mode of Conduct: Offline

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Company-specific training program have been organized for CSE (AI) – 2022-2026 batch students with a focus on python & Java coding practices. The aim was to bridge the gap between academic learning and industry requirements by equipping students with real-world coding skills and best practices.

The objectives of this program were to enable participants to:

- To introduce students about industry-standard coding questions and practicing on real time constraints.
- To improve students' proficiency in programming languages such as Python, Java.
- To provide hands-on experience in real-time coding problems, debugging, and optimization.
- To enhance problem-solving and logical thinking abilities.
- To make students job-ready by aligning their skills with industry expectations.

Training Structure and Content:

- **Duration:** 2 weeks (Monday to Saturday, 6 hours/day)
- **Mode:** In-person sessions
- **Company:** FreeLancer
- **Target Group:** 4th year Engineering students

Course Content

The training was divided as per the following schedule:

Date	Topics
30-06-2025	Basic Programs Mini Projects Level 1 (5 programs)
01-07-2025	MCQ + Debugging (20 Questions) + 5 Company Coding Questions Company Specific Questions on List & Strings
02-07-2025	Data Structures: Arrays + Company Programs on the Topic Shopping Kart Application
03-07-2025	Pseudocodes (2 exams - Medium & Hard) Data Structures: Stacks + Company Programs on the Topic
04-07-2025	Pseudocodes (2 exams - Medium & Hard) Data Structures: Queues + Company Programs on the Topic
05-07-2025	Core Java - OOPS Concepts - Classes, Objects, Encapsulation, Abstraction, Inheritance, Polymorphism
07-07-2025	Collection Framework + Company Specific Programs on the Topic
08-07-2025	Collection Framework + Company Specific Programs on the Topic
09-07-2025	Exception Handling, Code Debugging, Identifying Private Test Cases in the Exam
10-07-2025	Company Specific Questions - Capgemini, Infosys
11-07-2025	Company Specific Questions - Accenture, Cognizant

Methodology

- Daily coding assignments and mini-projects
- Weekly quizzes and progress assessments
- Live mentoring and one-on-one code reviews

Key Takeaways:

- Improve Proficiency in Core Programming Languages
- Standardize Coding Practices across students
- Enhance Problem-Solving and Algorithmic Thinking
- Collaboration and Knowledge Sharing

HoD Interaction

Dr. K. Chokkanathan, Head & Associate Professor, had an interactive session with Students on External Company specific Training & neopat daily assessment.

The following have been discussed:

- Review recent assessment outcomes (External & Neopat)
- Evaluate the effectiveness of assessment methods
- Identify areas for improvement
- Plan future assessments to align with learning or performance goals

Decisions Taken

- Understanding the company recruitment Format & plan your Strategy.
- Learn the programming fundamentals in which you are familiar with. (C, C++, Java, Python, etc.,).
- Have an in-depth knowledge on Data Structures & algorithms.
- Be aware to solve Aptitude & Logical Reasoning questions. (Some companies will never keep this as their entry-level recruitment process).
- Practice daily and speak with your friends in English to develop your Communication and Verbal Ability skills.
- Keep on practice on Coding through neopat platforms or online learning platforms.
- Search for Previous questions asked in companies in online and focus more on that.
- Interview Preparation based on Behavioural questions, Technical interview questions, confidence building and presentation.