

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL

(An Autonomous Institution affiliated to Anna University, Chennai)

Department of Computer Science and Engineering

1.1. Competency-based Education

Competency-Based Learning (CBL) emphasizes mastering over a traditional curriculum, nurturing a hands-on learning experience. In our department, alumni and senior students mentor juniors on coding platforms during lunch breaks and after classes, enhancing their problem-solving abilities and technical expertise.

As part of this initiative, final-year students conducted an interactive session on Problem-Solving and Data Structures & Algorithms (DSA) for second-year students, utilizing LeetCode and other coding platforms. The session, attended by approximately 60–100 students, was conducted in both offline and online modes.



Figure B.5.7 Competency based learning session by Final year students



Figure B.5.8 Competency based learning session by WiCyS Chapter leaders

Additionally, the WiCyS PSNACET Student Chapter organized a Capture the Flag (CTF) Challenge Practice and Class Sessions from May to December 2023, led by final-year students and alumni. These sessions aimed to promote peer learning, cybersecurity awareness, and hands-on problem-solving, further enriching students' technical competencies.