# PET ENGINEERING COLLEGE

**An ISO 9001:2015 Certified Institution, Accredited by NAAC, Approved by AICTE, Recognized by Government of Tamil Nadu and Affiliated to Anna University**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Academic Year 2023– 2024(Odd Semester)**

**Date: 6.11.23**

**Degree, Semester & Branch: B.E, V & CSE Course Code & Title:**

**CS3501 & Compiler Design**

**Name of the Faculty member (s): Dr. Valli Rathi AP/CSE**

## INNOVATIVE PRACTICE DESCRIPTION

- **Unit:** V
- **Topic :** Recent trends in Compiler Design
- **Course Outcome:** CO5
- **Activity Chosen:** Active Learning- Three Step Interview

**Justification:**

The chosen topic "Recent Trends in Compiler Design" is one of the essential thing to be known by the students so that they could aware of the applications of compiler design in various fields. The awareness about the practical application of compiler design will increase the knowledge level of this course.

**Time Allotted for the Activity:** 30 Minutes

**Details of implementation**

The announcement was given to the students' 5 days in-prior. The students had been asked to prepare for the event in the given topic. The students were allowed to surf the internet to learn this topic at home. Teams of four members (One team of size 5) were formed and role of each member in each turn was fixed before starting the event. The activity was conducted in the class room. For the three-step interview, total students are grouped into small groups of four. Each member in the group assumes the role of interviewer, interviewee, and reporter/note-taker; and each student should get an opportunity to play each role. To help explain the process, each student will be named as A, B and C.

The interviewing process is conducted in three steps:

| Steps | Interviewer | Interviewee | Reporter |
|---|---|---|---|
| Step 1 | Student A | Student B | Student C |
| Step 2 | Student C | Student A | Student B |
| Step 3 | Student B | Student C | Student A |

The role of interviewer is to ask questions from the given topic which he/she had learnt at home, The interviewee's role is to answer the question that had been asked by the interviewer. During this interviewing process, the reporter (generally 2 reporters in a group) will take notes and give their perception. After the three-step interview process is completed, the students are given extra time to share and consolidate the information. This event was carried out under the supervision of the course instructor. At the end of the session, two teams were randomly called to present their interview process on stage. The reporters have to present the process.

**CO – PO / PSO mapping:**

| CO | PO1 | PO2 | PO3 | PO4 | PO9 | PO12 | PSO1 | PSO2 |
|---|---|---|---|---|---|---|---|---|
| CO5 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 1 |

**(1 – Low 2 – Moderate 3 – High)**

**Reflective Critique**

- **Feedback of practice from students and other stakeholders:**
  - Most of the students felt that this event helped them to recollect various application fields of compiler and recent development in designing compiler
- **Benefit of the practice:**
  - All the students enthusiastically involved in interview activity.
  - They could feel a realistic interview experience.
  - They felt that they could able to frame questions from the given topic.
- **Challenges faced in implementation:**
  - Few students hesitated to act as interviewer