Best Practices AY2022-2023

1. **Title:** Empowering Students for Industry Trends by Alumni

2. **Objective of the Practice:**
To develop and deliver one credit courses based on industry related topics by department Alumni

3. **The Context**
Alumni of the department take part and involve themselves in preparing and offering one credit courses of latest industry needs. Alumni are excellent role models for current students and qualified to offer students practical assistance as they launch their professions. Students can learn a lot about the latest trends, opportunities, and challenges by interacting with their Alumni.

4. **The Practice**
The One credit course coordinator and Alumni coordinator of the department coordinate with the Alumni in preparing the syllabus to cater to the latest trends of the industry. The syllabus gets approved by the BoS (Board of Studies) members and will be offered as a new course.
The Alumni handles the classes for the enrolled students. The course started during the academic year 2022-23. The course helped the students to know the basic concepts of front-end development, to know the various packages needed to react, to design layout with suitable components, to examine context API and authentication and to design a chat application. At the end of the course, students were assessed to evaluate their gained knowledge. Robotics Sensors and Actuators and Introduction to Linux Programming and Shell Scripting are to be offered in the upcoming academic year.

5. **Evidence of Success**
24 students have successfully completed the course. Students were involved in projects. They successfully completed projects related to developing chat applications.

6. **Problems Encountered and Resources Required**
Handling a one credit by an Alumnus can be challenging because it often requires the same level of commitment and effort as a higher credit course but within a shorter time frame. We faced time management issues as alumni need to balance their professional commitments with course preparation and teaching responsibilities.

1. **Title:** Special Interest Group
2. **Objective of the Practice**
   The Special Interest Group (SIG) aims to foster interdisciplinary collaboration and learning among students, providing a platform for exploring latest technological domains and facilitating skill development through activities like presentations and project demonstrations.

3. **The Context**

   The Special Interest Group (SIG) of IT department is a commendable initiative designed to promote interdisciplinary learning and collaboration among student. This forum with its innovative approach, engages students in activities related to diverse domains such as Artificial Intelligence & Machine Learning (AIML), Data Science (DS), Mobile Application Development (MAD), Internet of Things(IoT), and Cyber Security(CS)

beyond their primary area of study. This initiative stands out in IT department for its effectiveness in promoting cross-disciplinary interaction and enhancing students' academic experience.

4. The Practice

Two periods per week are allotted specially for SIG where students voluntarily plan and conduct all the activities during this hour. Activities such as presentations, quizzes, project demonstrations, etc., provide opportunities for students to showcase their knowledge, learn from each other, and possibly collaborate on projects that integrate multiple domains.

5. Evidence of Success

Through SIG participation, students demonstrate improved collaboration, communication, and leadership skills. They enhance problem-solving abilities, critical thinking through tackling real-world challenges. It further helps the Students' in placement preparation.

6. Problems Encountered and Resources Required

Managing a diverse range of skill levels among SIG members. Additionally, inviting external experts in their respective domains can enhance the event's value and utility.