

Best Practices of Department of Computer Science

1. Title of the Practice

Student-Industry Interaction

2. Objectives of the Practice

Computer Science is practical based subject which along with theory needs experiential learning which is provided in the form of industrial project. Here main objective is to prepare student for their future endeavor. Industrial project is made part of the curriculum for both MCA as well as M.Sc. students. Under this students have to do a project in the industry for one full semester. This in turn benefits students to know the know-how of the industrial culture and actual work environment and the challenges faced. Outcome of this practice is it helps students in their placements as most of the students are absorbed in the company where they do their projects. Nearly 120 students undertake projects in the industry every year.

3. The Context

Industrial project internship is to help students to get actual software/website development experience in real time. For this companies are invited on campus to conduct their placement process. Some of the students who are not placed through campus have to visit different companies for project internship so for these students a letter is issued individually from the department, indicating his details and why he needs to undergo the training for industries to allow them to work.

Biggest challenge faced here is, this project internship is only for one semester which is not sufficient to complete project individually as the projects are big. So we allowed students to work in groups on different modules of the same project this helped in timely completion of the project. Another important aspect of this is, students learn to work in teams and also develop leadership qualities.

4. The Practice

After completion of the project internship students are ready to enter the industry with some industrial background. Project internship is one of its kind offered by Shivaji University as part of curricula. Its unique in itself as one whole semester is dedicated for this, so students get sufficient time to settle down in the new environment and come up with productive work.

Some of the students are not ready to go to out of town for project internship as they are reluctant to change their location and fear industry environment and challenges they might face. One of the most challenging factor is to motivate parents to allow their female wards to work in industries at metro cities. One or two students who couldn't get internship anywhere are motivated to do projects for smaller sectors of society free of cost.

5. Evidence of Success

As the data indicates most of the companies are hiring our students consistently every year. After experience of one or two year's students switch companies for better packages and new opportunities. Results also show that students who complete their projects, recommend their juniors at their company for internship.

Note: Separate word file is attached with company details.

6. Problems Encountered and Resources Required

- Some student's project completion is delayed due to industrial policy constraints which may affect academic progress of students.
- Due to data privacy policy of industry some companies don't allow students to take away data for presentation, it puts a constraint on examiner while evaluation.
- Students are unaware of privacy policies of the company thus needs some induction before entering the industry.
- It takes time for students (student life) to learn the work ethics and discipline required while working on projects.
- Many times students have to work in shifts with work pressure due to foreign clients and project completion deadlines.
- When students are asked to continue in the same company by company authorities some of them do not agree and leave for higher placements. If this trend continues and these companies do not hire students for internship any more.
- Sometimes students leave the company in between and join another without informing the department.