7.2 Best Practices at RAIT

7.2.1. Two institutional best practices of RAIT for the year 2018-2019.

Best Practice-1

1) Title of the Practice: Introduction of In-house 3 Weeks Internship on Project Based Learning.

RAIT believes in giving the best for students and accordingly adopt teaching-learning process. Institute taken initiatives and conducted in-house summer and winter internship on project based learning for students across the departments.

2) **Objective of the Practice:** RAIT believes in giving the best for students and accordingly adopt teaching-learning process. Project Based Learning is a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging, and complex question, problem, or challenge. The main objective of this practice is to focus on developing critical thinking and problem solving skills in the students. Its inquiry-based method of learning to solve the problems given as projects to the students is a style of active learning. Self-evaluation gives students a sense of accomplishment and further instills responsibility for learning. Learners who can see the connection between a projects based task and the real world will be more motivated to understand and solve the problem at hand. Students enjoy learning when learning makes sense. Institute taken initiatives and conducted in-house summer and winter internship for students across the departments. Students should learn how the concepts taught in theory are implemented practically in industries so that they become employable. It is observed that during internship the subject knowledge shared by industry experts is much more beneficial to the students in long term.

3) **The Context:** These internship are conducted by eminent academicians and industry personnel in addition to regular teaching of the curriculum by faculty members. The challenge is to find suitable industry person and his/her time commitment as they are working on very tight project schedules. Usually these internships are arranged on during summer and winter break. The constraint of this practice is that the financial remuneration expectations of industry experts are sometimes not affordable by the Institute.

4) **The Practice:** These internships are arranged for the Second year, Third year and Final year students across all the five branches. Duration of the internships varies between 3 weeks to 4 weeks depending on the requirement and availability of experts. Two weeks teaching and two weeks for project development. The resource persons who have experience in the respective domain are invited from industry and depending on their schedule these internships are delivered on summer and winter break which does not disturb the regular academics. It is expected that students learn the topics and design and develop project. It will be easier for students to find internships and industry sponsored projects during the Third year and Final year. This will be the first step towards finding job opportunity in industry after their graduation. After all, the aim is to provide best learning to the students, so as to equip them with the necessary skill sets and make them employable so that they can contribute to the society and the nation.

5) **Evidence of Success:** Due to the in-house internships on project based learning delivered by the eminent academicians and industry experts, many students got interested in the industry sponsored projects and they were selected for internships/on job/field training while studying in final year.

6. **Problems encountered and Resources required The challenges/problems encountered are:**

1) Finding a suitable industry expert to come to the Institute and deliver the sessions.

2) Time commitment of industry personnel on Saturday/Sunday.

3) Remuneration needs to be at par with industry.

4) Latest hardware and software tools are required to be available at the Institute.

Best Practice-2

1) Title of the Practice: Imparting employability training to the students of Third year to improve placement numbers

2) **Objective of the Practice:** Our objective is to give best and atleast one placement offer to each and every student of RAIT.

RAIT firmly believe that employability training is an essential skill set to get a placement offer into the reputed organization. RAIT has taken right initiatives to train the students based on employability skills which industry expects. An employability skill set includes Aptitude and various soft skills like communication, GD, PI , ethics, dressing etiquettes and many skills. There are other verticals also which includes technology training and project implementation.

3) **The Context:** There are many well known organizations & trainers who are involved in this training. E.g. T.I.M.E., GTT , Barclays, ATS infotech , Campus Credentials and many more. Usually to get a good trainer is really herculean task due their busy schedule, so we plan training in winter and summer vacation. The biggest challenge now days are coding skills. Most of the IT & ITeS companies expects that students should be good with coding. So for the same , we use coding platforms like HackerRank, HackerEarth, Codechef etc. The constraint of this practice is that the financial remuneration expectations of industry experts are sometimes not affordable by the Institute.

4) **The Practice:** These trainings are arranged for the Third year students across all the five branches. Duration of the trainings varies between 4 weeks to 5 weeks depending on the requirement and availability of experts. Two weeks teaching and two weeks for project development. The resource persons who have experience in the respective domain are invited from industry and depending on their schedule these training are delivered on summer and winter break which does not disturb the regular academics. The students across all the disciplines are taught computer fundamentals like programming techniques, data structures & algorithms, analysis of algorithms alongwith java programming language. We also encourage students to practice on aptitude skills and technology skills as every student has to complete 50+ online tests in the respective domain, where skills like time management, quick response are honed. After all, the aim is to provide best learning to the students, so as to equip them with the necessary skill sets and make them employable so that they can contribute to the society and the nation. Many MoUs are also executed in this regard to fetch many opportunities from industries and increase our students academic excellence.

5) **Evidence of Success:** The success of the employability training is evident since we have been imparting this training in 2012 and the number of employment is reaching towards 90%+. Also we could provide the best talent

to the biggest industries like TCS, INFOSYS, WIPRO, COGNIZANT etc with higher packages. We could able to attract many dream recruiters with high CTC. Employment towards nonlinear hiring thru' various coding contests, various security contest, are increasing. Since a confident talent pool is available, even many industries are coming forward with internships and followed by that " Pre Placement Offer (PPO)" under nonlinear recruitment category

6. **Problems encountered and Resources required The challenges/problems encountered are:**

1) Finding a suitable industry expert to come to the Institute and deliver the sessions.
2) Remuneration needs to be at par with industry.
3) Mini projects and internships coming from the industries will be less in numbers.
4) To make Industry academia connects successful, many industry donot come forward.

The overall employment scenario should be improved across the domains, as core manufacturing sectors are not employing in good numbers