

Best Practice - 1

1. Title of the Practice:

Campus Connect Programmes

2. Goal

The objective of the programme is to improve the employability skills of students so that they can be placed through campus placement particularly in the industry who is offering the programs.

3. The Context

Campus Connect Programme includes the connect of institute with industry in various campus connect programs offered by the industries. This is one of the active activities of industry Institute interaction started in A.Y. 2004-05 by Infosys. Under the programme institute has signed the MOU where faculty members were trained by Infosys and they in turn need to train the students for generic skills required for IT industry. The trainer in the programme was paid by Infosys. However, there was no much response from the students and as a result it was almost discontinued in the A.Y.2007-8. However, in the A.Y. 2010- 11, it was revived against the odds as Infosys stopped payment to the trainer. It needs to be on self-sustainable model. Teachers were motivated. Students were oriented and strategy was made under the leadership of TPOs. Since then every year almost 500 students complete the programme successfully.

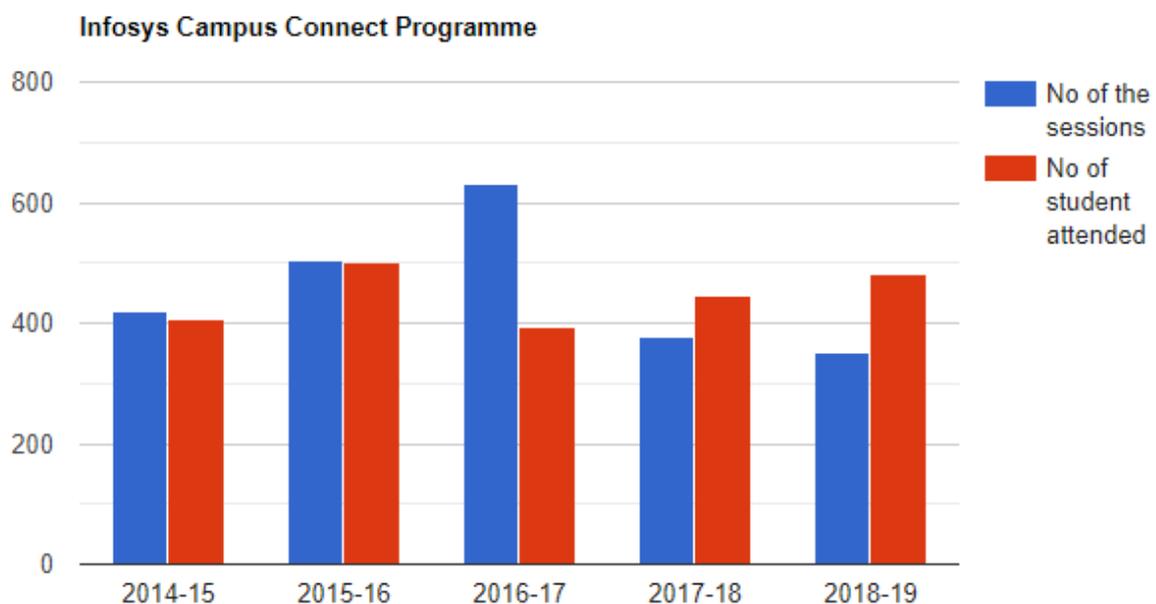
Institute also had MOU with Accenture for Head Start Foundation Programme for the period of 3 years. Training was similar to Infosys training. However, training was conducted by Accenture Trainer. The programme was one of the successful programmes. However, programme was discontinued because of the change in the company policy. This is followed with the Zensar ESD programme which was on the line of HSFP and started in the academic year 2015-16. Training was for limited students where short listing was done on the basis screening process based on aptitude test, technical and personal interviews. Around 40-50 students used to get training. On successful completion of the training, students used to get jobs in Zensar after completing graduation. However, joining was negligible as location is not Mumbai. Institute has also developed the platform for the conduct of training programme from Tata Technology on Dassault System platform on CAD/CAM/PLM. However, training involved cost including certification and the job opportunities are not significant, the platform is not utilized effectively by mechanical engineering department and needs to be revived.

4. The Practice

Currently the institute executes Infosys Campus Connect since the A.Y. 2010-11. Institute has been felicitated for the advanced partner for enrolling highest number of students for last three successive years. Today institute has 24 trained faculty members to impart training. Every year 5-6 faculty members are felicitated for their contribution under one of three categories: Gold, Silver and Bronze.

5. Evidence of Success

Year-wise students with cumulative figures trained under the programme from A.Y 2014-15 till date are as follows:



From the above figure we can conclude that almost 500 students are benefitted from the programme. We cannot find any decreasing trend in the number of students in the last 3 years. This highlights the success of the programme.

6. Problems Encountered and Resources Required

The following were certain problems and challenges while running the Infosys Campus Connect Programme:

- Initially, CS and IT faculty were only involved in the training process and hence faculty involved were overloaded.

- Later on Non-CS/IT faculty were also trained to take sessions. Since these faculty members were lacking in the understanding of some of the core concepts, efficient delivery was not possible.

Hence to improve efficient delivery of the courses under the programme the number of sessions were decreased by considering only interested students and CS/IT faculty were only involved. This improved the efficiency.

7. Notes (Optional)

The impact of this practice was that, the students gain more technical knowledge and get the confidence to crack technical interviews. Faculty members were recognized for their contribution as trainer in the campus connect programmes, which in turn boosts their credibility.

8. Contact Details

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Best Practice – 2

1. Title of the Practice:

In-house Internship

2. Goal

- Through internships TCET wants to bring students to a level wherein they can start thinking analytically about the problems whose solutions are not available on internet. This will simplify their path to technical success.
- Another reason is as a part of institute practice to know about the student's performance during internship, we send faculty to the industry to take their feedback. The feedback was that students lack discipline and sense of responsibility. So, there is a need to develop a platform to strengthen these skills and in house internship will help to enhance the performance of students during their internship in third year. For conducting this program, we need laboratories with equipments/software's as per the industry requirements so that students get to work on latest technology used in industry. Experts from industry will help to make this program more effective by sharing real time examples and ways to develop the solution. Alumni students can be the resource person to help conduct this program. The faculty with the expertise can be the mentor for the program.

3. The Context

In the face of cut-throat competition, rapid advancements in technology and globalization of business the holistic development of the student is a necessity. To bring this versatility in the student to face the stiff competition for the job and make them global leaders, we need to provide them extra skills apart from the University curriculum through internships. It is not possible for all the students to get industry internship, so TCET has taken the initiative to provide in-house internship for the students who are eager to do the same, and this initiative was taken in the A.Y. 2016-17.

4. The Practice

The following steps are undertaken to execute In-house Internship:

Step1: Orientation is given to students about in-house internship program and its topics.

Step 2: Registration of in-house internship program is got done for various topics.

Step 3: A team of staff is allotted to design schedule and content for the program.

Step 4: Components required for this internship project are issued from R & D cell of TCET and all other expenses borne by department/Institute.

Step 5: In phase-I, Industry experts from various industries are made to interact with students only during evaluation and gave their inputs to enhance their design/product as per industry standards and market trends.

Step 6: In Phase II, sessions are conducted by industry experts and alumni students and they guide students on various technologies and even invite students for Industrial visit.

Step 7: Industrial visit is planned to get exposure of industry environment.

Step 8: In Phase III, to make the problem more relevant to the industry a team of senior leadership team visits SMEs and interacts with them and got problem statements for in-house internship. In this way a joint internship is offered to the students in association with the SME which gives weightage to the students learning and skills.

Step 7: Exhibition cum evaluation for students during In-house internship is conducted and their product /design is evaluated by industry expert who gave the problem statement.

Step 8: A feedback is taken at the end of the program to understand the experience of students during in-house internship.

Step 9: Certificate with grades is given to the students only who successfully completed the assigned project during this internship.

5. Evidence of Success

E&TC Department				
Sr.No	Title	No. of students involved	Course conducted by	Company association
1	Mechanical Mechanisum	28	Mr. J K Patil, Mr. Vinay Bhatkar, Mr. Mahendra Shelar, Mr. Pankaj Rawool	Toroid technologies Pvt ltd
2	Startup	08	Dr. Lochan Jolly, Dr. Kamal Shah	-
3	Digital Marketing	35	Ms. Megha Gupta, Mr. Bijith Marjarkandy	-
4	Video Making	23	Ms. Sonali Singh, Mr. Iqbal	-
5	Arduino	42	Mr. Niket Amoda,	FOSS certification
6	Electronic Product Design	29	Mr. Shailendra Shastri (EXTC), Ms. Archana Deshpande (EXTC), Ms. Sujata Alegavi (ELEX)	Anvira Edustation
7	Electronic Product Design	27	Ms. Jyoti Kori, Ms. Leena Chakraborty, Ms. Jalpa Pandya, Ms. Roohi Mehta (ELEX)	Anvira Edustation
8	CNC	23	Mrs.R S Jaisinghani, Mrs. Neha Chouhan, Mr. Krishna Gaikwad,	-

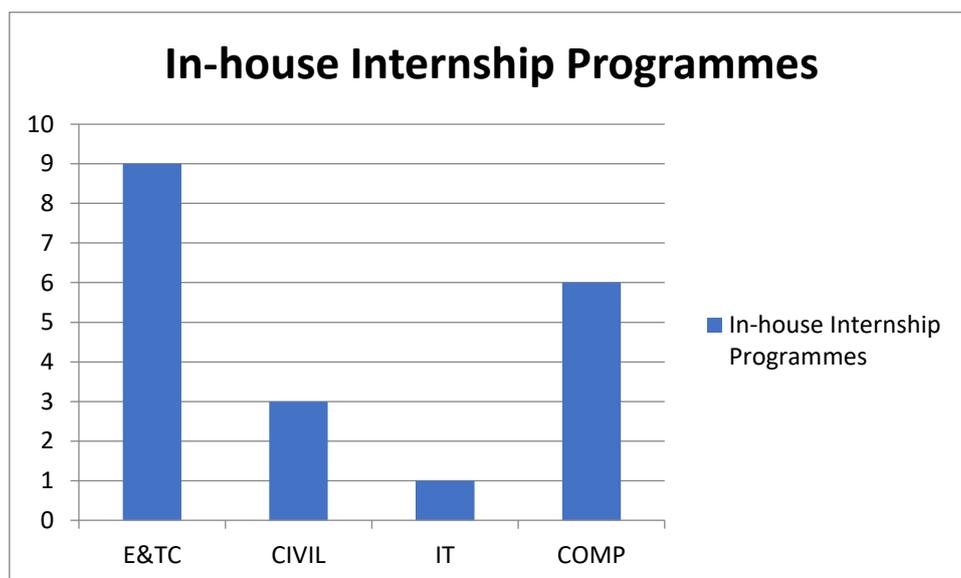
			Mr. Sachin Oak	
9	Social internship	13	Dr. Sunita Pachori, Mr. Ashwin Pathak, Dr. Ela Agarkar	-

CIVIL Department				
Sr.No	Title	No. of students involved	Course conducted by	Company association
1	Model Making	11	Ms.Priyanka Deshmukh, Ms. Rutuja Shinde	-
2	Interior Design	25	Mr. Arpit Vyas Mr. Swapnil Raut	-
3	Midas	26	Mr. Ninad Khandare Mr. Sanjeev Chaudhary	Midas Gen

IT Department				
Sr.No	Title	No. of students involved	Course conducted by	Company association
1	Website and Mobile internship	80	Mr.Shridhar Kamble, Mr. Yogesh Tiwari	Scorp Enterprise Outsourcing Pvt.ltd.

COMP Department				
Sr.No	Title	No. of students involved	Course conducted by	Company association
1	Research Publication Management Portal	03	Dr.Anand Khandare Dr. Megharani Patil	-
2	GUI for Multi lingual Translation	02	Dr.Anand Khandare Dr. Megharani Patil	S-DAC
3	Database for Multi lingual Translation	02	Dr.Anand Khandare Dr. Megharani Patil	E-Samyak
4	JAVA API for Multi lingual Translation	04	Dr.Anand Khandare Dr. Megharani Patil	E-Samyak

5	Image processing / QR code Generation	03	Dr.Anand Khandare Dr. Megharani Patil	E-Samyak
6	Alumni Association Portal	04	Dr.Anand Khandare Dr. Megharani Patil	-



6. Problems Encountered and Resources Required

The following were certain problems and challenges that were encountered while running the In-house Internship Programme:

- A training program helps to strengthen the skills. The time needed by each and every student to develop the skill is different. So more time should be allotted for training process, so that all students get trained at same level.
- In order for student to be trained well, they should acquire the basic knowledge before the training.
- The Company should provide real Life problems.

7. Notes (Optional)

The impact of this practice was that, the students gain hands on knowledge. When the internship programme are conducted the students are able to understand work culture.

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