



## **Best Practice-1**

### **Title of the practice: Graduate skill Development and Employability**

#### **Goal:**

- To initiate training and various certification courses by various industrial experts to all the students right from 2nd year.
- To conduct Seminars and Guest Lectures by experienced faculty and HR's from industry.
- To provide study material prepared by experts. To train the students in the fields of soft skills, communication skills, intrapersonal skills and preparing them to face interviews and get better placement.
- Involve the students right from first year to final year to understand the importance of career building, industrial jobs and entrepreneurship.

#### **The Context**

Most of the students have vernacular back ground who have come from villages, other states. Besides communication having a recap and in time memory of the academic concept is a big challenge for them.

Many of the students may not have basic concepts of the subjects as they were not taught about the importance of basic concepts at Intermediate level.

Students are not aware of the skills required for employability.

#### **The Practice**

AVNIET has training course like CRT- Campus Recruitment Training program according to which students have training with all the aptitude/logical reasoning besides technical training.

Special slots are been allotted students from Telugu medium background for Spoken English classes on every Wednesday, Thursday and Friday.

The college is organizing various co-curricular and extra-curricular activities through student initiated clubs for enabling all round development. Students are being encouraged to attend summer projects / internships in the industries/prestigious academic institutions to acquire practical knowledge.

Industrial visits are being arranged for practical exposure to students.

E-Journals/Magazines are provided in the library to know about the new technologies and research trends.

Eminent speakers from industry and prestigious academic institutes are being invited for delivering guest lectures on latest technologies.

All departments are conducting technical events through their clubs / associations on current trends& technologies to improve the technical knowledge of the students.

Students use the Internet facility beyond the working hours to learn about the latest technologies. The college encourages the students to attend workshops / student meets / paper presentations to improve their technical and presentation skills. The institute is encouraging the students to become members of professional bodies like CSI, IEEE, IEI and IETE etc., and various events are being organized under these professional bodies to improve their skills. Personality development program for First years is organized.



**MoU with EduSkills Foundation**



**Certification courses from Industry**



**Industrial visit from 2<sup>nd</sup> year to bridge the gap between industry and academic curriculum**

## Evidence of Success

The change in the behavior & communication of the students from first year to final year is an ample testimony for the success of the programs being organized.

The prizes / awards won by the students in technical and other events emphasize the impact of the programs.

The performance of the students in placements is an indication of the success of the programs being organized.

The Placement attainment percentage has increased to a greater extent.

Students are recruited and are found to be progressing well in top companies.

## Problems Encountered

- Lack of goal setting among students
- Reluctance of the students to allocate time for Add on courses along with academics
- Resources required
- Online test lab
- Inclusion of online test in the Academic time table
- Technical training as per industry needs.



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## **Best Practice-2**

**Title of the Practice: Centre for Academic and Career Guidance-Apply, compare, perform and produce.**

### **Goal:**

The main goal of the center is to make the students discover their inner potential and strive to attain success in their chosen field. The center helps the students in identifying their talents, interests and values in making right career choices. It lends its full support to students in academic planning and exploring future professional and placement opportunities available as per the changing global economy.

### **The Context:**

The college has decided to implement this center keeping in mind the changing market situation, volatile industry growth and demands, and availability of more number of opportunities to students but lack of proper understanding about the opportunities among the student community. With this humble thought the college has formed a center with the head of the institution as the chairman. In the process of functioning of the center it is observed that it is practically difficult in developing a common competence framework. The center demands a diverse workforce operating through both developed and assorted networks at all levels. The career guidance has to be widely available to a large group of students. Sometimes it is little difficult to accomplish the needs of the students at an optimum level.

### **The Practice:**

The center actually starts working making the students remember Socrates and his valid statement 'Know thyself'. The students are made to understand about themselves thoroughly. To

achieve this, few questions that test their skills, aptitude, interests and goals are prepared and they are expected to answer the same after a thorough introspection. This can be considered as the first stage of the practice. With the attained clarity by answering the questions, the students are ready to brainstorm on various career options available. This is the second stage, which can be called as planning stage. Finally an interactive session is conducted with the students based on their goals and their Strengths.

This kind of planning to make the students realize their potential and inner talent is definitely a unique practice to be implemented in higher education. The practice emphasizes and believes that 21st century illiterate is not a person who does not know how to read or write, but a person who cannot learn, unlearn and relearn. The center strives to bring in all the three phases among the students.

### **Evidence of Success:**

It has been observed that more number of students are showing interest in pursuing higher studies in less known careers as well. The Alumni survey report clearly talks about the volunteering nature of the students of AVNIET.. The Alumni is ready to talk to their juniors on various career choices available. This is made possible with the efforts of the active center in the college.

### **Problems encountered and Resources Required:**

Major constraints or rather challenges in developing the center is less motivation and interest in this direction among the middle cadre or young faculty joining teaching profession. The students find it difficult to prioritize their challenges, even after the guidance, because of family or societal constraints. Limited number of faculty with an orientation towards career guidance, and less number of trained in-house faculty. As a result, guest lectures on the importance of ethical behavior and proper code of conduct is provided to students at regular intervals by experts. This has turned to be a costly affair to colleges, especially to self-financed colleges. To be an active member of the center, people involved should constantly update themselves in all walks of life. Though the questions framed to understand their inner potential apparently look simple, yet it is difficult for them to answer. This first stage demands a lot of attention by the senior and experienced faculty involved in the centre. The first stage requires a lot of clarity and positive thought process and passion to perform even among the faculty involved.

### **7.2.1 Describe atleast two institutional best practices(as per NAAC Format)**

Some of the practices adopted by the institution are:

#### **Student Mentors**

The concept of student mentorship is introduced to facilitate sharing of the knowledge between the peers so that “well informed” will train the slightly “less informed”. The student mentors are under the active supervision of the faculty.

#### **MoUs with industries**

The college is tied up with DQ Animations to enhance the student’s creative skills. With regard to the same, a highly equipped lab has been set up where in students encode their creativity into reality. It has also tied up with Rigved Soft.

#### **Project Based Learning**

Minor projects without reference to the current syllabus can also be entertained right from the second year. This will identify the inherent potential of the student on her technical skills. An experienced faculty acts as a mentor for a batch of 15 students each.

#### **Professional Memberships**

SCETW is actively engaged as a member of various professional societies like CSI, ,IEEE, IETE IEI,CII-IW and ACM student chapters and has tie ups with various professional bodies for certification programs.

#### **Micro – Teaching Session**

All the faculty members will present their respective (allotted) subject for 20 minutes. Subject expert panel will give feedback and suggestions on their presentations. This activity is practiced every semester.

#### **Engineer Fest:**

It is a student organization fair held every year, which introduces and encourages students in national engineering competitions and global service projects. Early activity helps students identify with and take pride in engineering, and this tends to increase their persistence.

#### **Education, Training and Awareness:**

The institution organizes workshops and seminars and provides training on use and maintenance of renewable systems.

#### **Program Specifically for first year students (pro – enrollment Efforts)**

2 weeks Induction program is conducted for First Year students to give them awareness about the college environment and to get familiar with faculties and seniors.

## **Academic advising and Career awareness**

Students are counseled for improvement in their academics and also to prove themselves to get placed in reputed industries.

## **Academic Excellence Awards**

Academic Excellence awards are given to students from each classe for the toppers based on their excellence in academics.

### **Best Practice-3**

**Title of the practice: Encouragement for research activities for students and faculty members**

#### **Goal**

- The institution has a strong vision of promoting R & D activities in diverse areas aiming to practical oriented studies in Science, Engineering and Technology.
- The aim of this practice is to provide necessary infrastructure, human resources and motivation to nurture the research competencies among the students and faculty members.

#### **The Context**

- The college offers UG and PG degree Programmes in various engineering discipline.
- It is the responsibility of faculty members to inculcate effective learning methodology for students to understand various engineering concepts.
- To accomplish this, faculty need to be creative and innovative in their approach of teaching / learning activities and should possess holistic idea about the subjects what they taught, which requires some level of research competencies.

#### **The Practice**

- The college encourages the faculty members to visit the industry/ academia during vacation to learn the latest technology available which can be used to improve the research skill and enhance the potential of faculty members.
- The college also encourages the faculty members to publish the research papers, attending national/ International conferences and to carry out consultancy work.
- The faculty members are encouraged by providing the financial support to those who publish and present the research articles in national/ International journals and conferences
- The departments are encouraged to invite distinguished academicians for special lectures and for collaborative research.
- A separate R &D cell and incubation Center established within the campus where faculty and students are free to work even after college besides their leisure hours.
- Evidence of Success There is a tremendous improvement in teaching learning process as the faculty is exposed to latest areas of their topic of research.
- Further they are able to help the faculty who are fresh to initiate research.

- Good number of teachers got admission for Ph.D at various universities. A number of research journals are subscribed by the central library.
- The student projects for UG and PG courses are conducted in the college under the guidance of the faculty.
- Faculties have published several research papers in Journals and Conferences.
- Many staff members have enrolled for their doctoral programs and are involved in active research.
- These achievements clearly indicate that the efforts taken by the institution to promote R&D activities has given the desired results.
- This has led to more faculties being motivated to take up research oriented projects that would not only help them in acquiring higher qualifications but also will benefit the society at large.

#### **Problems Encountered**

- Student learning is mostly memory based
- Lack of creative thinking
- Inability to see beyond examinations and grades
- Motivating the students to develop logical thinking to solve technical problems

#### **Resources Required**

- High definition computer system to store the ongoing project work.