7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BEST PRACTICES BEST PRACTICE I

Title of the Practice An Integration of Innovations, Enlightening Technical Skills to Manifest into Career Building: A Hub of Technology for Prosperity.

Objectives of the Practice

a) To enlighten skills and bring awareness about latest technologies, industry requirements and overall personality development.

b) To help in Career Visioning and Nourish the Designing and Innovative skills, paving way towards career in core companies.

c) To gain a competitive advantage by developing technical skill sets that is in demand.

d) To meet the demand for Business entrepreneurs, Innovators, Creative thinkers to Society where data is central to Research, Teaching and Business.

e) To influence contacts with industry and improve interdisciplinary training of technical skills collaborate with training companies for domain-specific employability.

The Context: In Engineering context, the outcome of innovation is the fruit of creative process which takes forms from abstract Technical concepts, Patents, Algorithms, data models to Mechanical and Architectural patterns and functional prototypes. Innovation Engineering is to enable and strengthen engineers regarding Technological innovations which occur when need arises or opportunity presents having important implications for engineering practice and engineering education in the future. The main approach is the identification of skills and capabilities engineers should have, in order to act successfully in field of Innovation, expected by enterprises and companies.

The Practice:

Technology Awareness Month (TAM) Technology Awareness Month (TAM) conducted every year by student volunteers with support of college showcase the innovation and bring students closer to the edge of technology. The program adds value to the overall growth prospects, crafted with modules that involve interactive and skill developing events like Quizzes, Rapid Idea Group Discussions, Technical Workshops, Mock UN (United Nations), Youth Parliament and Guest lectures.

Domain Specific Training Domain specific theories hold that we have many independent, specialized knowledge structures, rather than one cohesive knowledge structure. Training in one domain may not impact another independent domain. These are designed specifically to prepare students to use, reuse and contribute quantitative and qualitative analytical methods, used in

innovating products. Value Added Education (VAE) Value Added Education provides additional learner centric and skill oriented technical training, with the objective of improving employability skills of students. Courses offered are choice based on current trends and training and guidance is provided to the students on the various aspects of building career and assist them in exploring new opportunities. Certification Courses A variety of short term certificate courses are conducted after class hours or during semester breaks. These courses are conducted by professionals and industry experts each course has its own assessment pattern both practical and theoretical. Successful completion of the course earns the students certification issued by the college. It predicts higher chances in campus placement opportunities. Task Skill Development Vocational Training Program: Relevant and accessible training to amplify the quality of organizational skills and technical training of the students is provided. Career Guidance: Career Planning for various career options assisted the students with career choice, job research, jobplanning, understanding self talent and job interview tips.

Aptitude Training Soft Skills Aptitude and ability tests are designed to spruce the logical reasoning and lateral thinking, and inculcate factors like numerical reasoning, verbal reasoning, abstract reasoning, speed, and accuracy. To hone Soft skills crucial for delegating and team building among the students, training in various tasks such as team work, adaptability, problem solving, leadership, communication skills, work place ethics, interpersonal skills, social and emotional intelligence, cognitive or emotional empathy and time management is rendered.

Campus Recruitment Training Program (CRT) Campus Recruitment Training Program is exclusively designed for students' recruitment in reputed companies. The CRT system consists of a student login, an admin login and also consists of accompany login where in various companies visiting the college can view the list of respective college students and their resumes.

Finishing Schools Finishing school focuses on teaching social graces and upper-class cultural fusion to the young people. It is an intelligent combination of training, technology and fun in learning. Fresh graduates are molded into priced assets ready to face any challenge head-on.

Technical Seminars The faculty takes interest in conducting seminars to their students by inviting eminent personalities who have achieved some feat in science and technology to take seminars for the students which helps them to interact with present and ongoing advancements in technical fields.

Micro Projects Micro projects create a self training program that serve as a basis for students and future employers in starting and running or working in an industry. The concept of micro projects is a way to show progress, deliver real impact in a short time frame and control resources that is beneficial to the industry they serve. Entrepreneurship Development Cell (EDC) The mission- "Start Up India" promotes the spirit of entrepreneurship among students through education, research and training sessions. EDC provides mentoring opportunity through its network. Students stand benefitted by the experience of these initiatives. The association includes professionals, entrepreneurs, investors, and Industry experts.

Start Up Mentorship assistance for the start-ups of the student entrepreneurs is provided by inviting the Government officials from DIC, TIIC, MSMEs, EDIs, successful alumni

entrepreneurs and related field experts. Internal facilities such as learning resources, laboratory facilities, workshops, SIPP (Student Innovative Project Proposal), organizing start-up festivals, RD activities, new product development, re-engineering, market research, validating proof of concept and subsequently assisting them to cover costs like certification and manufacturing pilot services etc.

Evidence of Success The Technology Awareness Month (TAM) proved successful by the enormous participation level of the students in the intellectual activities conducted such as the Gadget quiz, Debug and decrypt quiz, Circuitronics quiz etc. Current technology and innovations were visualized by workshops conducted on Python, Aurbindo, Html and CSS. Treading on the lines of employability capabilities, career guidance program focused on career choice, job search, interview tips vocational training programs on telecommunication, autocad, photovoltaic system, digital marketing, web designing and animations, enabled students across the branches to stretch their technical skills into viable integrated and innovative career options. Students optimally used programs of soft skills, CRT, Finishing Schools to sculpt their personality trait sand managerial skills, thus whetting their communicative and competitive spirit and enthusiasm promptinga positive feedback and impetus, heralding further such endeavors.

Problems Encountered and Resources Required

a) Motivating and encouraging students to concentrate on innovation and entrepreneurial activities.

b) Providing repositories comprising teaching-training materials, data resources, lab activities, analysis and demonstration.

c) Providing assistance to start-up student entrepreneurs by inviting Government officials, alumni entrepreneurs and other related field experts.

d) Sponsoring basic start-up costs such as RD and Certifications.

BEST PRACTICE II

Title of the practice Ingrain Discipline, Human Interaction and Universal Values among the students through Community Orientation Activities

Objectives of the Practices

a) To model a new student orientation program that builds foundation for development of community learning

b) To create an atmosphere that minimizes anxiety, promotes positive attitudes, and stimulates curiosity for learning

c) To emphasize importance of being involved in community orientation programs and taking responsibility for growth and humanity development

The Context The vision is culminated to inculcate moral values and build positive perception towards community orientation activities in the minds of the students. Good relationship with the community makes the students aware of universal values and helps them to design their career by meeting both learning and community goals.

The Practices

Blood Donation Camp Blood donation is organized every year and provides a global platform to celebrate individuals, who donate blood voluntarily, for altruistic reasons and without any monetary reward. The NSS wing of SMEC organizes this event with help of Red Cross Society of India. Sri Marri Laxman Reddy, the Chairman and the Executive Director Sri Chandra Sekhar Yadav encourage the students to take active part and take an oath on Blood Donation and social welfare activities.

Objectives: Students can improve someone's health by being a donor of blood. Donating blood has benefits not only by offering physical health but also is sharing psychological emotions:

a) Reduces stress

b) Improves emotional well-being

c) Benefits physical health

d) Provides a sense of belongingness and reduces isolation

e) Lower risk of cancer and heart diseases

Street cause For the past seven years, the students of St. Martin's Engineering College students have been actively participating and contributing in a large scale. Students from all years have joined this cause. Usually, students who choose to do community service become volunteers as they chose voluntarily to help. Street Cause is an NGO comprising of enthusiastic students who intend to give back to the society and bring about required change.

Objectives:

a) To help underprivileged, such as orphans, elderly, unemployed and differently abled, to live theirlives in the best way possible.

b) To rehabilitate street children into mainstream society.

c) A Life without a Cause is a Life without an Effect." can be seen distinctively in the students. Women Empowerment Women Empowerment Cell plays an important role for the girl students

and lady faculty members with Gender Equity programs conducted to showcase special skills of these students.

Objectives:

a) Conduct activities to bring balance in lives of girl students.

b) Create awareness about women's rights

c) Educate girl students in building self confidence and self esteem