

## **G. Pulla Reddy Engineering College (Autonomous): Kurnool**

### **Best Practice-1:**

#### **1. Title of the Practice**

**Extra-Academic (EAA) & Co-Academic (CAA) Activities:**

#### **2. Objectives of the Practice**

- To work for the overall development of the students, which includes technical aspects team working and leadership skills among others, by providing necessary facilities and platforms for the students to actively involve themselves in seminars/technical talks/invited talks, technical student symposiums, skill development programmes, technical debate, guest lectures, workshops and industrial visits, IEEE related events, department association events etc.
- To work for the overall development of the students, which includes health, fitness, sports, arts, community service, team working and leadership skills among others, by providing necessary facilities and platforms for the students to actively involve themselves in sports, games, music, dance, painting, debates, discussions, service activities etc.
- To maintain all the files related to various activities planned and conducted in every academic year
- To provide necessary information/details to the university authorities, AICTE, accreditation bodies like NBA, NAAC and survey agencies like NIRF, through PAE committee or Principal's office
- Mandatory CAA/EAA as part of requirement for the award of degree: To monitor, evaluate and give the result (recommend/not recommend) to the Examination section/Principal's office.
- To conduct events like Literary and Cultural Programs, Sports and Games (UDAAN) etc as part of the college day or any other important occasions, and relevant activities under Student Induction Programs for the I B.Tech students.

- To conduct events like seminars/technical talks/invited talks on various trends in different engineering fields, technical student symposiums, skill development programmes, group discussions, technical debate, guest lectures, workshops and industrial visits, IEEE related events, department association events etc as part of the college day or any other important occasions, and relevant activities under Student Induction Programs for the I B.Tech students.

### **3. The Context**

A well-known fact to be accepted by all is the world has changed so fundamentally in the last few decades that the roles of learning and education in day-to-day living have also changed forever. Therefore, the conventional education curriculum, which was developed in the early 20th Century, has to pave the way to a new kind of education and learning that surpasses the four walls of a classroom.

So, the core aim of education and learning should be to foster holistic development. However, the importance of co-curricular activities cannot be overlooked in fostering holistic development. Extra Academic and Co-Academic activities (EAA/CAA) help in the holistic development of students and assist in developing critical skills and abilities to be successful and happy in 21st Century life and workplaces. Therefore, the importance of EAA/CAA activities is immense during engineering education. Hence the institution established EAA/CAA cell

**4. The Practice:** The details and implementation of EAA/CAA activities are given below.

**Extra-Academic Activity (EAA):** During first and second semesters every student is required to register for sports/games activity and shall maintain at least 75% attendance, independent of overall attendance to earn satisfactory grade which is mandatory. During third and fourth semesters every student is required to register for one of the following activities which are mandatory.

- i) NSS/ NCC
- ii) Yoga/ Meditation
- iii) Extension Activities
- iv) Literary/ Cultural Activities
- v) Vivekananda Community Service Activities

**Co-Academic Activity (CAA):** Every student is required to register for any one of the following co-academic activities during V - VI semesters of study, which is mandatory.

- a. Industry Lectures / Workshops organized by the respective department
- b. Industrial Training
- c. Training and Certification Courses on Latest Technologies
- d. Term Paper
- e. Development of Working Model
- f. Foreign Language Certification

Apart from the above-mentioned points, the various activities that are organized/conducted by EAA/CAA cell are as follows.

- Conduction/Organizing events like Literary and Cultural Programs, Sports and Games (UDAAN) etc and seminars/technical talks/invited talks on various trends in different engineering fields, technical student symposiums, skill development programmes, **group discussions, technical debate, guest lectures, workshops and industrial visits, IEEE related events, department association events** etc as a part of the college day or any other important occasions, and relevant activities under Student Induction Programs for the I B.Tech students.
- Also encouraging students to participate in college level, state and National/International level events both online and offline.

For the implementation of the above EAA/CAA activities the institution is providing a slot in the time table itself and scheduling various events regularly

### **5. Evidence of Success**

The EAA/CAA cell is conducting many events for the benefit of student community at G. Pulla Reddy Engineering College, Kurnool. As a part of this the IEEE GPREC SB performance is a proven forum that benefitted many students.

The participation by the students and their membership is increasing that resulted in many awards and recognitions as given below.

#### **International Student Awards:**

- Ms Suraiah Thaseen of 2017 Batch passed out was awarded “IEEE R10 Outstanding Student Volunteer Award” in recognition to the WIE program and IEEE Hyderabad Section 2017
- Ms N Sai Divya was awarded “IEEE R10 Outstanding Student Volunteer Award” in recognition to the WIE program and IEEE Hyderabad Section 2020.
- Ms N Sai Divya was awarded “Richard E Merwin Scholarship” 2020 and also in the year 2021 from IEEE Computer Society Chapter, USA.

#### **National level Student Awards:**

- Ms N Sai Divya was awarded “GHCL Scholarship” 2020.

#### **IEEE Student Recognitions at Section and India Council Level:**

The IEEE student membership in the year 2017 is below 50 and has been increasing on average of 70 students per year and the present strength is near 130+ students. The following are few recognitions of students in IEEE.

- The GPREC IEEE SB received Emerging Branch Award in 2014, Vibrant Branch Award in 2017, Lead Student Branch award in 2019.
- The GPREC IEEE WIE SB received Best WIE Affinity Group in IEEE Hyderabad Section during the year 2020.
- The GPREC IEEE PES Student Branch Chapter received 31<sup>st</sup> position across the world in IEEE PES High Performance Student Branch Award in 2016, 14<sup>th</sup> Position in 2017, 21<sup>st</sup> in 2018, 44<sup>th</sup> in 2019, 23<sup>rd</sup> in 2020.
- B. Bharani has participated in Parjanya 2021 organised by IEEE Hyderabad section student activities committee in association with IEEE CS & IEEE WIE-AG Hyderabad section and IEEE Anantapur & Guntur sub section on 24th, 25th July 2021.
- Ms M ReethikaKeerthana contributed as “Student Lead Volunteer” for R10 SYWLC 2020
- Ms M Vaishnavi contributed as content writing team lead for IEEE Compute CS newsletter 2020, Hyderabad section.
- Ms M Vaishnavi contributed as best ambassador at AHWIESC 2020, IEEE TEMS outreach ambassador, Section Student Volunteer, IEEE CS Hyderabad Section, IEEE programming

League, IEEE Hyderabad Section, Global Women Tech Ambassador 2020, competition lead, IEEE CS, IEEE Xtreme 14.0 ambassador, PES DAY 2020 Ambassador

- Ms Likitha Balam of 2018-2022 batch contributed as PES DAY 2020 WIP & WIE Ambassador.
- Shaik Umme Rumaan of 2019-2023 batch participated in 5<sup>TH</sup> IEEE National Level Project Competition-2021 (Virtual) organized by IEEE SB GSSSIETW.
- Shaik Umme Rumaan of 2019-2023 batch participated in webinar organized by IEEE Vardhaman WIE AG and IEEE HYDERABAD Section WIE AG on “The power of focus” .
- Ms M ReethikaKeerthana participated in SSC 2020, SSC 2021, IGEN 2020, AHWIESC 20
- Ms N Sai Divya of 2017-2021 passed out batch participated in AHCSSC'20
- Shaik Umme Rumaan participated a session on brought to you by IEEE R10 TALK"

At the outset because of the continuous efforts put up by both faculty and students, the EAA/CAA cell is resulting in overall improvement of participation as well as achieving Awards and Recognitions both at International, National and State level.

<http://www.gprecieestb.in/>

<https://www.gprec.ac.in/campus-life/student-clubs/vsc-vivekananda-study-circle/>

<https://www.gprec.ac.in/campus-life/student-clubs/innovation-club/>

## **6. Problems Encountered and Resources Required**

Though the EAA/CAA cell is proving as a good platform for students but still some of the problems being encountered are as given below.

- The publicity of the events is yet to be improved
- Reach out to outside college events (International and National level) participation is to be improved
- Activity rooms (for technical and non-technical) are yet to be established.

If the above-mentioned problems are solved to some extent then it will enhance the interest level of students in participation as well as achieving good results across the Nation and world.

## **Best Practice-2:**

### **1. Title of the Practice:**

**Ten minutes talk/presentation by students in each class**

### **2. Objectives of the Practice:**

To improve the communication skills of the students.

To raise their self-confidence.

To train the students in the preparation of presentations/speeches.

To positively impact the placement opportunities of the students by enabling them to face the interviews with confidence.

### **3. The Context:**

Engineering students are required to be groomed to become able professionals having requisite skills in engineering, in the field of their study. Besides the professional knowledge and skills, the requirement of employable students by the industry/organizations includes communication skills. The talk/presentation by students is designed to address the core issue of improvement in communication skills. The challenges a student is likely to face, during the study, are many and varied. The most important challenge that a student has to address is communication. The practice assumes significance in this context. Its implementation would pave the way, for addressing the basic needs, the employer would expect from the students, in the process of recruitment, that is communication skills.

### **4. The Practice:**

Realizing the importance of communication skills, the institution has evolved a practice of insisting that each student shall give a talk/presentation in the first ten minutes of each class. In each course of study, the faculty would, by rotation, give chance for every student to give the talk/presentation at least once during the entire semester. The practice is followed in every course of study and as there are about five / six theory courses in each semester, the student will get an opportunity to give a talk/presentation five to six times every semester. This would give the student enough preparedness. During the entire program, the student is presented with ample opportunities to improve and fine-tune their communication skills.

The uniqueness of the practice in the context of higher education is that the participation of students would give them exposure to public speaking, help them in enhancing their performance and develop their communication skills. The practice has certain constraints /limitations in the

sense that, not all the students are willing to come forward to present the ten-minute talk/lecture. It requires a continuous effort from the faculty member to conduct the practice smoothly and uninterruptedly. Students come to know of their deficiencies, drawbacks, and inhibitions when they present their talk/lecture and there is always scope for improvement, better performance, and fine-tuning. The practice had been carried out for the last few years and the focus is on achieving the desired results like preparing students to overcome their inhibitions and improving in oral presentations.

#### **5. Evidence of Success:**

The practice had proved to be very successful and the performance against the benchmarks and targets is satisfactory. The introduction of the practice and its implementation is yielding good results and the evidence of success is in the form of feedback, which is positive and encouraging. The practice is likely to aid the growth of communication skills among the students. The evidence of the success of the practice could come.