Best practice 1-

Title: Research Promotional ecosystem

Objective: The objective of the practice is to motivate the faculty members to pursue research, organize and attend conferences, workshops, seminars and symposia to get to know emerging technology trends and also to update their domain knowledge.

The Context: For effective teaching as well as research engagements, faculty members need to be at the frontiers in their areas of specialization. To motivate, facilitate faculty members to undertake research activities, an appropriate research ecosystem is necessary.To create conducive environment for research, research promotional schemes are implemented.

The Practice:To encourage quality research work by faculty members, facilities/incentives are provided as given below-

1.Institute offers fully paid study leave for a maximum period of 2 years.

2. If the paper is published in Scopus or SCI indexed journals, faculty is rewarded with an amount of Rs.5000/Rs10,000.

3. Incentives are also offered to faculty members on successful completion of funded research projects.

4. 'Research Initiation Fund' i.e, research grant up to Rs. 3 Lakhs is awarded to applicant faculty.

5.Institute reimburses 100% registration fees for the 'SCOPUS indexed conference publication' & 50% for Non-Scopus conferences.

6.Institute encourages faculty & students for filing patents & other forms of IP. If the patent application id is filed as per the IPR policy of the institute all the charges of filing & maintaining IP are borne by the institute.

Evidence of Success:

- Increase in the number of faculty members registered & completed Phd by availing Phd leave.
- Increase in number of quality publications
- Increase in number of patents.
- Increase in number of funded projects.

Problems encountered and resources required: Being a more education-centric institution, the available bandwidth (in terms of time) for the faculty members to pursue research is limited.

Best practice 2- Title: " Student club activities"

Objective: To provide "beyond curriculum" learning opportunities pertaining to soft skills & technical skills.

The Context: Engineering and technological world has become increasingly demanding and competitive. To address the challenges, the curriculum has to be industry aligned. Along with domain knowledge and innovation, for the holistic development of the students, life skills such as communication skills, leadership skills, team building and stress management must be inculcated.

The ecosystem is based on efforts of institutional initiatives as well as student involvement and participation. Students clubs are formed & managed by students themselves. This develops a sense of belonging and responsibility along with technical and managerial skills. Student clubs at college level promote the shaping of skills of the students & provide them with opportunities that are beyond curriculum.

The Practice: These student club activities play a crucial role in determining and channelizing the passion and interest of students, much beyond their academic pursuit. The extracurricular activities that are routinely organized by these clubs add up to shaping the personality of students. This culture thus opens up multiple avenues for the development of students, that also enhances their employability skill.

1. TEDxCCOEW:TED is an annual event that brings together the leading thinkers and doers to share ideas that matter in any discipline — technology, entertainment, design, science, humanities, business, development.On 8th November 2020 students arranged a session with speakers with innovative ideas and thoughts about how you can take your possibly first conscious step to fight climate change.
2. TechBuzz Club: It's a club where discussions/debates occur about topics primarily related to technology , business and recent updates in the tech world.
3. Code Club: Code club is your one stop-shop solution for internship, placement preparation and opportunities like scholarships, hackathons, challenges, mentorship programs, etc. It provides a dynamic platform to learn, innovate and interact with your seniors to learn from their experiences. It is a club open to students of all branches to improve their coding skills and enhance the culture of competitive coding.
4. Engineers Connect: It's a non-profit organization aiming to spread the trending technologies among women so as to build a strong technical platform for them. It conducts regular workshops, Hackathons and meetups to increase participation of girls.
5. Mozilla Campus Club: An opportunity to join the awesome world of open source where they have many opportunities to learn and grow in various fields, be it technical or non-technical.
6. The Wordsmith: It is the printed version of the college newspaper which contains articles from students relating to various events in and outside the college, general awareness, interviews from industry experts and alumni, technical writing and regular pieces.

7. Astronomy Club:This club aims to spread knowledge about this beautiful universe, its darkest secrets and moreover humankind's relationship with it all. It conducts activities like: Instrument building and Sky gazing, guest lectures, group discussions.
8. Artificial Intelligence and Computer Vision Society (AICVS): A club for artificial intelligence and machine learning enthusiasts that host a lot of talks, discussions, study groups to bring about a practical understanding of AI and computer vision. Guest lectures from industry professionals help guide beginners through interesting concepts in Artificial Intelligence, while groups focused on ML research are made with the intention of deeper understanding of AI.
9. Math Club: The Math Club is a student's club with an aim to empower students with mathematics and to help students explore and celebrate the world of mathematics by conducting various fun and engaging activities. It is a platform to provide opportunities for everyone to showcase, share and improve their mathematical skills.
10. Loop: Team Loop is a Competitive Coding Club with the primary motive of creating awareness about Competitive Coding and its perks. It conducts activities such as hosting Competitive Coding contests, volunteering sessions, and group discussions, primarily for beginners. It promotes application-based learning of fundamental concepts by creating utility or game-based projects.
11. Dance Club: An opportunity to showcase talent & even represent college in various events.
12. Music Club: An opportunity to showcase talent of singing and playing instruments.
13. Photography Club: The main aim of this club is to help the students explore the world of Photography and thus take their fad to a higher level.
14. Debate Club: The club hosts a variety of activities ranging from Group Discussions, mock MUN's, jams, story telling, debating and many more. One of the exciting features is that there is no language barrier in any events and activities.
15. Arts Club: A club for artists to showcase their talents through the art exhibitions held by the art circle. The aim is to enhance the artistic minds within our college. Be a member of an art circle and improve your artistic skills.
16. Drama Club:The Dramatics club's main motive is to build up a team for intra state dramatics competitions like Purushottam Karandak and Firodiya Karandak. The club aims to teach all those who come the basics of theater and then specialize in whatever department they gain interest in. Occasionally workshops are held to give a better overview of the theater industry and acting skills.

Evidence of Success:

1. Increase in the number of students getting placed
2. Students getting job offers from varied sectors of the industry
3. Startup by students
4. Students taking up responsible positions in their career
5. Alumni are successful entrepreneurs

Problems encountered and resources required: Along with academics, time to organize & schedule events & activities for students are less.