

Best Practices

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 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 full paid study leave for a maximum period of 2 years.
2. If a paper is published in Scopus or SCI indexed journals, faculty is rewarded with an amount of Rs.5,000 or Rs10,000 respectively.
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' and 50% for the Non-Scopus conference.
6. Institute encourages faculty and students for filing patents and other forms of IP. If the patent application id is filed as per the IPR policy of the institute all the charges of filing and maintaining IPs are borne by the institute.

Evidence of Success:

1. Increase in the number of faculty members registered and completed Ph.D. by availing Ph.D. leave.
2. Increase in number of quality publications.
3. Increase in number of patents.
4. Increase in number of funded projects.

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

Best practice 2-**Title: Student Clubs**

Objective: To provide “beyond curriculum” learning opportunities pertaining to soft skills, technical skills and self expression.

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. Student clubs are formed and managed by students themselves. This develops a sense of belonging and responsibility along with technical and managerial skills. Student clubs at College level promotes the shaping of skills of the students and provides 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, which also enhances their employability skill.

Following are the student clubs in the college:

1. Mozilla Campus Club

Mozilla Campus Club is a club dedicated to Open source development and community building. The club works to spread awareness on Open Source software. Mozilla Campus Club gives an opportunity to join the awesome world of open source where students have many opportunities to learn and grow in various fields, be it technical or non-technical.

2. Aasamant: The Astronomy Club

This club comprises like-minded enthusiasts in Astronomy who learn about space and astronomical phenomena, work together to organize different events, conduct sessions, create podcasts, visit Astronomy related sites like IUCAA and GMRT, organize stargazing programs and many such activities. Curiosity and passion for astronomy brings the students together.

3. TEDxCCOEW

TED club organizes an annual event that brings together the leading thinkers and doers to share ideas that matter in any discipline like technology, entertainment, design, science, humanities, business, development. In the spirit of “ideas worth spreading,” TED has created TEDx, a program of local, self-organized events that bring people together to share a TED-like experience. At a TEDx event, TED Talks video and live speakers combine to spark deep discussion and connections. TED tackles humanity’s toughest questions, attempting to answer them with innovation, enterprise and enduring optimism.

4. Artificial Intelligence and Computer Vision Society

This club aims to introduce the students to techniques of AI and Computer Vision. The club aims to equip them with a primary skill set in Deep Learning and the knowledge to implement various algorithms and gain a good understanding of what happens behind the scenes. The club aims to spread awareness about AI/ML and computer vision through workshops, seminars, guest lectures and competitions.

5. 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.

6. Loop CCEW

Team Loop is a Coding Club with the primary motive of creating awareness about the various Data Structures and Algorithms. We conduct activities such as hosting Coding contests, volunteering sessions, and group discussions, for all years of our College. We also promote application-based learning of fundamental concepts by creating utility or game-based projects.

7. Google Developer Student Club

GDSC CCOEW is a university-based developers club, supported by Google. We at GDSC, organize and curate events spread across the entire academic calendar, foster a sense of creativity, and aim to inspire young developers with like minds to collaborate, help each other, and grow to their fullest potential. Prospering and sharing Knowledge and technology through peer-to-peer learning has endowed and encouraged many to become exceptional developers by pulling out the best in them. Our team welcomes you to join the ecosystem which propagates learning and teaching synergistically.

8. Finance and Economics Club

The Finance and Economics Club (FiSOC) provides a platform for ardent students to come together to learn the intriguing world of finance and economics through seminars/webinars with industry experts and organizing debates and discussions to explore career opportunities in the financial sector.

9. Code Club

Code club is a club that helps in preparation of opportunities like scholarships, hackathons, challenges, mentorship programs etc. We provide a dynamic platform to learn, innovate and interact with 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.

10. The Debating Society (Debate Club)

This club tries to explore the hidden talent of students, help them to speak confidently to people, and improve their oratory skills. The club helps to boost up student's investigations of community and social issues and create educational opportunities for students on campus. It provides support for students interested in politics, social change, community organization and discusses relevant ideas and topics so as to improve student's personal and professional attributes and skills.

Cultural Clubs at the Institute are:

1. Dance Club- Insia

Dance Club is formed for students interested in dancing where they can learn different dance forms and get a chance to participate in various events.

2. Music Club- Swarashree

The Music Club gives a platform for music lovers to showcase their talents. The club comprises a strong team of enthusiastic and passionate women, ranging from singers, instrumentalists and coordinators. Through music mixing and video editing, instruments and singing, the club helps students to fall in love with music. Performances are online and offline. Students participate in intra-college and inter-college competitions.

3. Cultural Club- Kalawant

Kalawant is the Cultural Club which has brought glory to the college, owing to its amazing legacy. A platform that encourages, educates and guides enthusiasts to participate in vivid theatrical competitions, fine arts, performing arts etc.

Evidence of Success:

1. Increase in the number of students getting placed.
2. Students getting job offers from varied sectors of the industry.
3. Alumni are successful entrepreneurs.
4. Students taking up responsible positions in their career.
5. Winners in technical Competitions, Sports and Cultural competitions.

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