



**Progressive Education Society's
Modern College of Engineering,
Pune-5**

Institutional Best Practices

A.Y. 2019-20

7.2 Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

BEST PRACTICE 1:

1. Title of the Practice: College Community Connect

2. Objectives of the Practice:

- To inculcate ethical standards and create awareness of social responsibilities.
- To raise awareness and promote the adoption of sustainable practices towards the environment and society among staff and students.
- To develop an institutional social action programme to link and involved different groups in our community and offer different means of collaboration.
- To raise awareness and promote the adoption of habits and behavior by students, faculty, administrative and services staff, in line with a more sustainable vision of the organization.

3. The context:

PES Modern COE, Pune is committed to social responsibility, a concept that includes the dimensions of social responsibility whose strategic focus is made up of social and environmental responsibility, ethics and sustainability. We believe that these three dimensions should be incorporated and integrated, in an interdisciplinary manner, aligned with our mission, identity and daily activities. Faculty and students are encouraged to participate in collaboration with other organizations in carrying out social outreach programs.

4. The Practice:

The Social Responsibility committee provides the broadest forum available, for members and students to discuss common issues of social responsibility. It identifies issues which have an impact on society and the environment. Committee discusses and develops best practices and plan of action



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in response to specific issues beneficial to society. The ISR Cell is expected to motivate the student youth to understand the values and philosophy of ISR. The overall functions of committee members are to help the students to plan, implement and evaluate the activities of ISR under his/her charge and give proper guidance and directions to the student volunteers.

The College Community Connect involves extension and outreach activities. It is carried out via different channels of the institute such as various Social clubs, National Service scheme (NSS Cell), NCC and ISR cell.

- **Institutional Social responsibility (ISR) Cell** : ISR Cell has conducted the covid-19 awareness campaign for society. Many activities such as Covid 19 Awareness campaign Quiz competition, Covid-19 awareness video has been conducted.
- **Participation in Ignited Innovators of India (i2i)**: A social entrepreneurship initiative by incubation center at COEP for students of Maharashtra is aimed at providing a platform to students to exercise leadership in social entrepreneurship and technological innovation.
- Techno-Social Clubs, Professional Society Chapters, NSS, ISR Cell, Art Circle are formed to implement various community connect program and activities.
- **Rotaract club of MCOE**: Rotaract club is a part of global effort to bring peace and international understanding to the world. This effort starts at the community level but knows no limits in its outreach. Rotaractors have access to the many resources of Rotary International (RI) and its parent club Rotaract club of Pune Sinhadgad road. Rotary club of Pune Sinhadgad Road provides the administrative support that helps this club thrive.

5. *Problems encountered and strategies adopted to overcome them:*

- Building a socially responsible mindset requires a constant efforts for attitude transformation in student community.



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- Program funding is a considerable challenge as the Connect program competes with human basic need priorities. Institute provides diversified opportunities to students in college to develop their personality through society beneficial services.
- Community services rendered by college level students have covered several aspects like sanitation awareness events, mass tree plantation, technology transfer programs, implementing engineering technologies for rural development, various technical training programs for self-help groups and rural youth etc.

6. Resources Required:

- Collaboration with industries, Government organizations and NGO's to support community connect programs.
- College Infrastructure
- Funding for various community connect activities

7. Evidence of success:

- NSS Activities successfully conducted during the year
 1. Traffic awareness program
 2. River cleanliness drive
 3. Plastic collection drive
 4. Kolhapur- Sangli flood relief donation drive
 5. Tree plantation
 6. Neem sapling distribution
- More than 50 students have got NSS Certificate's for Covid 19 awareness campaign
- 50 + students have got NSS blood donation Camp certificates
- Achievement certificates of NCC volunteers.
 1. All India Vayu Sainik Camp (National)
CUO Shivam Shete - Best Air Contingent [National Champion 2019], Gold medal in drill, Gold medal in Tent Pitching, Gold in Academics
 2. C/Sgt Riya Kapatkar - Best Air Contigent [National Champion 2019], 4th position in control line Aeromodelling, IGC (State)-Gold medal in Control Line
 3. CWO Rajkumar Jadhav –Republic Day Camp- RD Parade -2nd Best directorate in India, Participated in PM Rally, IGC – State Champion



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BEST PRACTICE 2:

1. *Title of the Practice:*

- Innovation and Creativity

2. *Objectives of the Practice:*

- To encourage a mindset of continuous learning, creative thinking and increased innovation.
- To provide tools and techniques for promotion of innovation , creativity and implementation
- To help make the connections between theory and practical.
- To recognize, reward and celebrate new ideas.

3. *The context:*

- To enhance the research and innovation quotient in the Institute it was decided to engage in a number of activities, define policies and procedure for encouragement of creativity and innovation.
- This is in alignment with Institute mission to foster innovation and research by providing a stimulating learning environment and to be responsive to changes in technology, socio economic and environmental conditions.

4. *The Practice:*

The atmosphere of innovation and creativity is proposed to be improved by a multipronged approach including facilities up gradation, establishment of cells to monitor and provide funding to encourage the initiatives.

- **Infrastructure facilities:**

Innovation labs, Book Bank scheme, Reading hall, smart class rooms are provided to facilitate Innovation and Creativity among the staff and students.

- **The Research & Innovation Cell:**

The faculty and students undertake research projects in the thriving areas of science, engineering, management and technology. Apart from conducting projects in fundamental



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areas, many R&D projects are executed to tackle live problems. Faculties of various departments have received funding from agencies like SPPU, BCUD, AICTE, MHRD etc. The institute aims to forge academic and research collaborations with reputed institutes and industries.

- **Entrepreneurship Development (ED) Cell:**

Following are the initiatives under ED Cell.

PRO-START: Pro-Start is a merger of project and a start-up. Pro-Start aims to promote and upraise ideas of students (budding engineers) towards their start-ups.

Vicharghan: In Vicharghan entrepreneurs and experts in different areas of are invited to share their knowledge on different subjects.

Participation in Ignited Innovators of India (i2i): A social entrepreneurship initiative by incubation centre at COEP for students of Maharashtra is aimed at providing a platform to students to exercise leadership in social entrepreneurship and technological innovation.

- **Institution Innovation Council (IIC):**

PES's MCOE has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India.

- **Unnat Bharat Abhiyaan (UBA)**

Unnat Bharat Abhiyaan (UBA), a flagship programme of Ministry of Human Resource Development (MHRD) Government of India, is an opportunity to enable faculty and students of higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. Our institute has been selected as a Participating Institution (PI) under UBA 2.0(2018-19).

- Different Clubs, Professional Society Chapters, M-Pulse (A Techno-Management Event) , NSS, ISR , Art Circle are formed to implement creative ideas of students.



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- **Participation in Smart India Hackathon** to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.

- **Project Funding Scheme of PES's MCOE:**

PES's MCOE has initiated project funding scheme since 2018 to encourage students from engineering and management disciplines to undertake project / research / development work which will be helpful to the Institute and society at large.

- **Rewards and appreciation:**

- The Institute policies are framed in such a manner to encourage participation in FDP's and pursue research.
- Achievement in the area of research, publication are appreciated and rewarded.
- Student who display innovation and creativity in their projects and other extracurricular activities are appreciated and felicitated.

5. *Problems encountered and strategies adopted to overcome them:*

- Building a research oriented and creative mindset requires a constant efforts for attitude transformation in student community.

6. *Resources Required*

- Collaboration with industries and renowned research institutes is required.

7. *Evidence of success:*

- Principal Dr. Mrs. K. R. Joshi has been awarded Best Innovative Teacher Award by Savitribai Phule Pune University, Pune
- The Institute has received four star ratings towards contribution of Innovation cell at PES's MCOE by MHRD's Innovation Cell.
- E-Yantra laboratory is established in association with IIT Bombay.



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- Project groups from Third year and Final year of respective departments from the institute had received funds for their respective projects under each of the above mentioned scheme.
- The institute has also promoted and funded students and faculty members to file patents and copyrights. So far 38 copyrights and 25 patents have been filed.
- Students have won prizes against various categories of Smart India Hackathon for their innovative projects.
- Innovative projects of Institute selected as one of the top 110 projects all over India by Innovation Cell, MHRD, Govt of India.

