



I.B. (PG) COLLEGE, PANIPAT

G.T. ROAD, PANIPAT-132103 (HARYANA)

An ISO 9001:2015 & ISO 14001: 2015 Certified Premier Co-Educational Institute

(Affiliated to Kurukshetra University, Kurukshetra)

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Best Practice – I

Title of the Practice: Capacity and Competence Building

The Context of Practice

The institution could anticipate the importance of holistic development of teachers/students as envisioned in NEP-2020 much before it was launched on 29th July 2020. Capacity and competence building programs organized by the college focus on enhancing the knowledge, skills, and abilities of individuals within the educational community. These programs aim to foster continuous learning and professional development, equipping participants with the necessary tools to excel in their respective fields. They cover a wide range of topics, including research methodology, intellectual property rights (IPR), teaching strategies, leadership development, entrepreneurship, industry collaboration, soft skills training, and more. These programs often involve conferences, workshops, seminars, interactive sessions, guest lectures, hands-on activities, and collaborations with renowned institutions and agencies. Through these initiatives, the college aims to empower students, faculty, and staff with the competencies required to thrive in their academic pursuits, careers, and personal lives.

Objectives of the Practice

- Enhancing Knowledge and Skills
- Promoting Professional Development
- Fostering Collaboration and Networking
- Strengthening Organizational Capacity
- Empowering Individuals and Communities

The Practice

Over the past five years, the College has been actively organizing capacity and competence building programs to enhance the knowledge, skills, and abilities of our students, faculty, and staff. These programs aim to foster continuous learning and professional development, equipping individuals with the necessary tools to excel in their respective fields.

In the last five years, the College has been at the forefront of organizing national and international conferences, providing a platform for scholarly exchange and intellectual growth. These conferences have brought together renowned researchers, academicians, industry experts, and students from around the world to discuss and disseminate cutting-edge research and ideas. Presented below is a glimpse of the successful organization of such programs by our institution.



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Conferences:

The College has organized 10 International and national conferences on diverse themes and disciplines, attracting participants from various educational institutions and research organizations across the country. These conferences have provided a forum for researchers to present their work, engage in meaningful discussions, and foster collaborations. The conferences have featured keynote addresses, paper presentations, poster sessions, panel discussions, and workshops, covering a wide range of topics and promoting interdisciplinary dialogue. On a wider scale, recognizing the global nature of research and innovation, we have successfully organized international conferences that have garnered participation from scholars and researchers from different countries. These conferences have served as platforms for cross-cultural exchange, facilitating the sharing of research findings, insights, and best practices. The international conferences have featured keynote lectures by distinguished speakers, research paper presentations, interactive sessions, and networking opportunities, enabling the exploration of global perspectives and collaborations.

Workshops and Seminars:

The College has conducted 56 National Level Online Webinars/Seminars Organized on diverse topics, inviting renowned experts and industry professionals to share their insights and expertise. These sessions have covered areas such as research methodology, academic writing, effective teaching strategies, leadership development, entrepreneurship, and emerging trends in various disciplines. These events have allowed participants to gain valuable knowledge, exchange ideas, and stay updated with the latest advancements in their respective domains.

Faculty Development Programs (FDPs):

To enhance the teaching skills and pedagogical approaches of our faculty members, we have organized Faculty Development Programs. These programs included training sessions, interactive workshops, and hands-on activities to promote innovative teaching methodologies, curriculum design, assessment techniques, and educational technology integration. By equipping our faculty with advanced teaching practices, we ensure the delivery of quality education to our students.

Collaborations and Partnerships:

We have established collaborations and partnerships with renowned academic institutions and organizations to co-host conferences. These collaborations have expanded the reach and impact of our conferences, enabling the participation of distinguished speakers, researchers, and delegates from across the globe. Collaborative conferences have contributed to the exchange of ideas, cultural diversity, and the development of international research networks.

These conferences have fostered an intellectual ecosystem that encourages the exploration of new ideas, promotes interdisciplinary research, and facilitates the dissemination of scholarly work. We remain committed to organizing more conferences in the future, creating opportunities for intellectual discourse, and showcasing our institution as a hub for academic excellence and innovation.



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Research and Publication Support:

We understand the importance of research and scholarly publications in academic growth. To facilitate research and publication activities, we have organized programs that provide guidance on research proposal writing, data analysis, academic writing, citation management, and publishing in reputable journals. These initiatives have helped our faculty and students develop research skills, enhance the quality of their research outputs, and contribute to the advancement of knowledge in their respective fields. The college has provided financial support to the faculty for publishing their research papers in proceedings of the conferences organized by the college.

Industry Collaboration and Skill Development:

To bridge the gap between academia and industry, we have facilitated various industry collaboration programs. These initiatives include expert talks, industry visits, internships, and skill development workshops in collaboration with industry partners. By exposing our students to real-world scenarios and industry practices, we aim to enhance their employability and ensure that they possess the relevant skills and competencies demanded by the job market.

Leadership and Entrepreneurship Development:

To nurture leadership qualities and entrepreneurial mindset among our students, we have organized programs focusing on leadership development, innovation, and entrepreneurship. These programs include interactive sessions, guest lectures by successful entrepreneurs, business plan competitions, and mentorship opportunities. Such initiatives empower our students to think creatively, take initiatives, and develop an entrepreneurial mindset, fostering their potential as future leaders and job creators.

Soft Skills Training:

Recognizing the significance of soft skills in personal and professional success, we have conducted comprehensive training programs to enhance communication, teamwork, problem-solving, critical thinking, and interpersonal skills among our students. These workshops and training sessions equip students with the necessary skills to effectively navigate the challenges of the global job market and become well-rounded individuals. An MOU was signed with Rubicon for providing online training to the students. 88 students registered for this programme. An online training was conducted as per this MOU on the topic “How to develop great interview skills”. An MOU was signed with Medha Foundation for providing career advancement boot camp (“employability skills”/ “Entrepreneurship skills”), Industry workplace exposure, internships, and available employment opportunities to interested students to enhance their employability, employment, and entrepreneurship Outcomes.

Certificate Courses:

The College has collaborated with reputable organizations and institutes to offer professional certification in specialized areas. The College has introduced 36 certificate courses during the last five years. These courses provide our students with additional credentials and practical skills that complement their academic qualifications. Certifications in areas such as artificial intelligence and machine learning, digital marketing, web designing, stress management by yoga, data analysis, tally



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essential, internet of things, python programming, accounting and tax procedure, languages etc. have enabled our students to gain a competitive edge in the job market and excel in their chosen careers. Through these capacity and competence building programs, the college has demonstrated its commitment to holistic education, ensuring that our students and faculty are equipped with the knowledge, skills, and competencies required to thrive in a dynamic and evolving world. We will continue to organize such programs to foster lifelong learning, professional growth, and excellence within our educational community.

Obstacles faced if any and strategies adopted to overcome

- One of the primary obstacles in organizing a capacity and competence building program in college is the availability of limited resources. Colleges often have budget constraints, making it challenging to allocate sufficient funds for organizing comprehensive programs. Moral and financial support along with motivation is provided by the Principal and Governing Body.
- Another obstacle was the time constraints faced by both students and faculty members. College schedules are often packed with academic coursework, extracurricular activities, and other commitments. Allocating dedicated time slots for the program could be challenging. To address this, careful planning and coordination with stakeholders has been undertaken to ensure the program's activities align with the existing schedule, minimizing conflicts and maximizing participation.
- One of the obstacles was lack of awareness and interest among students towards capacity and competence building programs. To address the obstacle, proactive measures have been implemented to foster awareness regarding the program's benefits and relevance. This includes undertaking marketing and communication initiatives to actively inform and engage students.

Impact of the Practice

Student Learning Experience: When faculty members enhance their skills, it directly impacts the quality of education and the learning experience of students. Faculty members became more proficient in delivering course content, facilitating discussions, and providing personalized guidance to students. This, in turn, promoted a positive and effective learning environment.

Higher Placement Rates: Ultimately, by focusing on capacity and competence building, the college has witnessed higher placement rates. Companies prefer recruiting candidates who possess the requisite skills and can adapt quickly to workplace dynamics. Students who have benefited from such programs demonstrated their competence and secured placements in prestigious organizations.

Resource Required

The college administration ensured that all essential resources, including financial support and infrastructure etc., were provided for the organization of capacity and competence building programs.

Best Practice-II

Title of the Practice- Green Initiatives: Energy Conservation and Environment Consciousness



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The context that required the initiation of the practice

Green initiatives, encompassing energy conservation and environmental protection, are of utmost importance in the current era. With the escalating concerns regarding climate change and the depletion of natural resources, there is an urgent need to prioritize sustainable practices so that a neat and clean, safe, and secure planet and environment can be bequeathed to our future generation. Energy conservation initiatives are vital to reduce our reliance on non-renewable energy sources and curb greenhouse gas emissions. By implementing energy-efficient technologies and promoting responsible consumption patterns, we can mitigate the adverse effects of climate change and preserve our planet for future generations. Additionally, environmental protection is crucial for maintaining the delicate balance of ecosystems and safeguarding biodiversity. Through initiatives such as reforestation, waste management, and pollution control, we can create a healthier and more sustainable environment. Green initiatives not only benefit the planet but also contribute to the creation of green jobs, technological advancements, and economic growth. It is imperative that individuals, businesses, and governments embrace these initiatives to ensure a sustainable future for all.

Objectives of the Practice

- To promote sustainable practices and reduce the negative impact of human activities.
- To use renewable energy sources and energy-efficient technologies.
- To minimize carbon emissions.
- To conserve natural resources.
- To recycle, reduce the waste generation.
- To create a greener and more sustainable future.
- To sensitize the students about these significant concepts.

The Practice

The college has been actively engaged in conducting various activities centered around green initiatives, with a specific focus on energy conservation and the environment. Recognizing the importance of sustainability and the need to address climate change, the college has taken significant steps to promote eco-friendly practices and raise awareness among students, faculty, and staff.

Energy conservation, harvesting and promotion (**ऊर्जा संरक्षण संचयन एवं संवर्धन**) is our mission. One of the key areas of emphasis has been energy conservation. The college has implemented several measures to reduce energy consumption and promote efficient usage of resources. This includes upgrading the campus infrastructure with energy-efficient lighting systems, for better energy management. The college recently conducted a comprehensive green and energy audit, aiming to assess and improve its environmental impact and energy efficiency. This audit involved a meticulous examination of the college's facilities, systems, and practices to identify areas where sustainable measures could be implemented. The audit team assessed energy consumption patterns, waste management strategies, water usage, and overall resource utilization across campus. They also evaluated the effectiveness of existing energy-efficient technologies and explored opportunities for adopting renewable energy sources.



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The college recently took a major step towards sustainable energy by installing a **'Roof Top 50 kW on Grid Solar Power Plant'** on its premises. This innovative project aims to harness the abundant renewable energy from the sun and reduce the institution's carbon footprint. The installation of this grid solar power plant offers numerous benefits to the college and its surrounding community. Firstly, it significantly reduces the college's dependence on traditional energy sources, such as fossil fuels, which helps mitigate the negative environmental impact associated with conventional electricity generation. By producing electricity from a renewable source, the college actively contributes to the global efforts to combat climate change and promote sustainability.

The college campus has embraced sustainable technology by implementing energy-efficient solutions such as LED lighting and three to five-star rated air conditioning units. The use of LEDs (light-emitting diodes) for lighting purposes offers numerous advantages over traditional incandescent or fluorescent bulbs. LEDs consume significantly less energy, resulting in reduced electricity consumption and lower utility bills for the college. Moreover, LED lights have a longer lifespan, reducing maintenance costs and the need for frequent replacements. Additionally, the college has made a conscious decision to install three to five-star rated air conditioners throughout the campus. These AC units are designed to consume less electricity while providing effective cooling, thus minimizing the environmental impact, and promoting energy conservation. By incorporating these sustainable technologies, the college demonstrates its commitment to reducing energy consumption and promoting a greener environment.

The college has launched awareness campaigns to encourage responsible energy usage and educate the college community about the importance of reducing their carbon footprint.

Stickers, **'Switch Off, When Not in Use'** are displayed on electricity boards to reduce the wastage of electric power. The students and staff are sensitized to switching off the electricity appliances.

In line with its commitment to environmental preservation, the college has also taken significant strides in promoting a sustainable campus environment. It has implemented waste management programs that emphasize recycling, vermicomposting, and reducing the use of single-use plastics. To benefit the community at large, a variety of activities, including planting trees and awareness rallies are carried out by NSS, NCC and other volunteers. To carry out the Clean India initiative of Prime Minister Sh. Narendra Modi, the Green India Swatch Bharat Internship Scheme in the village of Khotpura, health and sanitation programs, and swatchta rallies in adjacent area of the College and in different localities were organized which fostering a sense of community, friendship, and team spirit and sentimentalize the students to social concerns. The students' involvement in environmental activities during the period, such as the prohibition on plastics, education about waste management programmes, and the Vrikshabandhan Abhiyan etc. promotes environmental knowledge and respect.

The college recognizes that creating a sustainable future requires collective effort and collaboration. To foster a culture of environmental stewardship, it regularly organizes awareness programs, rallies, workshops, seminars, and guest lectures on topics related to green initiatives and environmental conservation. Every month, the college community comes together to celebrate 'Green Day' on the first Monday. This dedicated day is a time to raise awareness and promote sustainable practices within the campus. It serves as a reminder for students, faculty, and staff to prioritize environmental responsibility and make conscious choices that contribute to a greener future.

Four rainwater-harvesting structures have been constructed on campus to collect rainwater. College rainwater harvesting is an effective and sustainable approach to replenishing groundwater reserves. By implementing rainwater harvesting systems on their campuses, institutions can actively contribute to



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water conservation efforts while educating students about the importance of sustainable practices. Rainwater, which would otherwise go to waste is stored in underground tanks/recharge pits, allowing it to percolate slowly into the ground, replenishing the groundwater table.

The college has taken a commendable step towards sustainability by becoming completely plastic-free. This progressive initiative reflects the institution's commitment to preserving the environment and creating a healthier campus community. The college has received certification for implementing the ISO 9001:2015 Quality Management System and the ISO 14001:2015 Environmental Management System. The employees and the students were made aware to segregate the solid waste before it is disposed in the different bins as per the marking placed at various locations on the campus. The college has entered into a Memorandum of Understanding (MoU) with Exigo Recycling Private Limited, Panipat. Exigo Recycling is an officially authorized e-waste recycling plant recognized by the Haryana State Pollution Control Board, Panchkula. This partnership aims to enhance e-waste management practices within the college.

We have a quality and environmental policy which is very well displayed on the website and practiced by the institution. **Acknowledging our efforts, the Chief Minister of Haryana has awarded the institution with an Appreciation Certificate.**

On first Saturday of every month, the college organizes a sacred ritual known as “Hawan”. This traditional ceremony holds great significance within the campus community, fostering a sense of spirituality and unity among students, faculty, and staff. The “Hawan” serves as a time for reflection, gratitude, and purification, as participants gather around a sacred fire and offer prayers and offerings to the divine. The atmosphere is imbued with a sense of tranquility and reverence, with the fragrance of incense and the melodious chants creating a serene ambiance. Through the practice of “Hawan”, the college not only honors its cultural heritage but also provides a space for individuals to connect with their inner selves and cultivate a deep sense of belonging within the college community. This ancient practice exemplifies a deep-rooted connection between humans and nature, emphasizing the importance of living in harmony with the environment. During “Hawan” ceremonies, organic substances such as medicinal herbs, ghee, and wood are carefully chosen as offerings, fostering sustainability and eco-friendliness. The ritual encourages individuals to be mindful of their actions and their impact on the environment, as every offering is made with reverence and gratitude.

Obstacles

- During the pandemic period, it was difficult to connect with the students to carry out awareness activities.
- Initial reluctance of the authorities to initiate the practice because of financial constraints.
- Initial resistance by various stakeholders to make them fall in line for the restrictions imposed to improve the quality of environment viz. ban on the entry of the vehicles in the campus on green day.

Impact of the Practice

- Reduction in power bill by installing roof top on grid solar power panel.
- Our institution has received an Appreciation Certificate from the Chief Minister of Haryana, acknowledged our green initiatives, and recognizing our efforts. The recognition has also been



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granted by local MP and MLA and nearby Gram Panchayats.

- Our campus boasts a lush green environment, providing a refreshing and serene atmosphere for all who enter. The plantation not only adds aesthetic appeal but also contributes to a pollution-free environment. As a result, students, faculty, and staff can enjoy clean and fresh air while going about their daily activities. Additionally, the presence of greenery helps in bringing the temperature down, providing a respite from the heat during hot summer months. The shade provided by the trees and the cooling effect of the plants create a pleasant microclimate within the campus, making it a comfortable and inviting place to study, work, and relax.
- Through its unwavering commitment to green initiatives, energy conservation, and environmental sustainability, the college aims to instill in its students a sense of responsibility towards the planet and equip them with the knowledge and skills to become environmentally conscious leaders in their respective fields. By integrating sustainable practices into its daily operations and inspiring the college community to embrace a greener lifestyle, the college strives to make a positive impact on the environment and contribute to a more sustainable future.

Resource Required

The college administration ensured that all essential resources, including financial support and infrastructure etc., were provided for the installation of solar power panels and to replace the outdated electrical appliances. The tree plantation and other green initiatives aimed at addressing energy and environmental concerns received wholehearted support from the NSS, NCC, and various Cells/committees.