

Title of the practice 1: “GCG-Garnering Competence among Girls”

Objectives: The institution implemented the practice with following objectives:

- To disseminate knowledge and appropriate skill practices through recognized systems of training, testing and certification to validate competency levels.
- To motivate the students towards innovation by imparting knowledge about government schemes and financial support for entrepreneurship.
- To train the students develop their individual skills and discover their interests, aptitudes and potentialities through various certificate courses along with the regular curriculum.
- To make the students market-ready, financially-independent and globally competent to acquire the lucrative jobs.
- To develop various Employability Skills in the student such as Problem solving, Cognitive skills, Verbal and non-verbal communication, Adaptability, Collaboration, Organizational skills, Resume writing, practice of Interview Techniques and Group discussions.

The Context: Taking into consideration the current process of recruitment by various big business houses, wherein the soft skills and aptitude competency are considered equally significant to technical knowledge and academic proficiency skills of the students, the institute aims to enhance these skills and thereby garnering employability of students. The professional, cognitive and creative skills are entailed among the students thus making them capable to make use of intuitive, logical and critical thinking, communication and interpersonal skills.

The Practice:

The following activities were conducted by various departments to make the students skill-oriented:

Computer department

- One day workshop was held on the topic Office Automation Tools. Advanced Techniques, shortcuts, smart tips and tools of Microsoft Word were taught to students with practical demonstration by resource person Dr. Gurdas Singh, Assistant Professor, Guru Nanak Khalsa College, Ludhiana.
- Workshop on multi platform app was organized by the Computer Science Department wherein the UI skills (coding in .net and bootstrap) were developed.
- A 10-day workshop was organized on Advanced Excel wherein various advanced excel calculations, formulae and functions were taught to the students.
- A workshop on Cyber Crime was conducted by Mr. Puneet Kumar and the students were enlightened with various techniques that can be used to protect themselves from online attacks.

Beauty and wellness

- Herbal skin treatment and Aroma therapy workshops were organised by Beauty and Wellness Department wherein the resource person Mrs. Usha Arora from Hiyaav, Beauty Academy addressed the students about the same.
- Vitamin C Facial treatment for pigmentation skin by Mrs. Rajni from Blossam Kochhar, Aroma Magic was organised.
- Party makeup workshop by Inderpreet Kaur from Parry Vig institute was organised.
- A workshop on Russian hair-do was organised wherein Mr. Tushar Kumar practically demonstrated the students about the same.
- Skin testing workshop by Mrs. Rajni from Blossom Kochhar was organised to make students aware about its detailed procedure.
- Semi permanent makeup and Eye brow filler workshop by VLCC institute was organised.
- Hair cut and skin aging treatment workshop was organised by Ms. Aashima from Headmaster salon.

Commerce

- A 4 -hour workshop on topic “how to make money grow” was conducted wherein speaker CA H.S. Kharbanda talked about various financial instruments, risks, return options available with various financial instruments, ways to save money through FDs interest, mutual funds and as an insurance agent.

Botany

- A workshop on “Entrepreneurial Botany through Micro greens and Seedling raising” was conducted by PG Department of Botany wherein Ms. Juhi Bakhshi, Resource Person from Technocare Nursery and Garden Center, Ludhiana gave a practical demonstration to the students.

Fine arts

- A workshop entitled “Sikh style of miniature painting: contemporary scenario” was conducted by PG Department of Fine Arts wherein Mr. Avtar Singh (Contemporary Miniature Artist) Principal, Govt. Arts and Crafts Teachers Training Institute, Nabha enlightened the students.
- Workshop was conducted by S. Davinder Singh Nagi (Calligraphy Artist)

Home science

- One-week "Cookery and Bakery workshop" by Miss Sakshi Malhotra was organised for the students of Diploma and Advance diploma in beauty and wellness.
- A two-day workshop by Mrs. Gurdev Kaur (Food preservation expert LDH) on Food processing/ Preservation and Packaging.
- A three-day workshop was organized by Mrs. Manjit Kaur (Bakery Expert from Dusky tarte) on Bakery Products.

- A workshop was conducted on new features of USHA sewing machine by Mr. Sandeep Kumar.
- A workshop on Entrepreneurship in Millets Industry: Theoretical and practical approach was organized wherein Mr. Rakesh Jain (Social Activist) addressed the students.

Finishing school

- A Skill Development workshop was organized by Finishing School on "Grooming" under Soft-Skills wherein Mrs. Shanu Gupta was the resource person.
- A Skill Development Workshop was organized by Finishing School and Red Cross Society where Producer/Director Mr. Maan Singh, Mr. Gurdyal Singh and Mr. Rahul Sharma were the Chief Personalities. The guests shared their experiences with students and guided them about how they can get into the field of Show Business.

Zoology

- A workshop was organised on "Vermicomposting techniques and practices" by Dr. SS Hundal, Professor, former head of Dept. of Zoology, PAU, Ludhiana

Biochemistry

- One day workshop on Basics of Bio-Informatics was conducted by Dr. Prakash Chandra Mishra (Asst. Prof. GNDU). He imparted knowledge about Bioinformatics that is widely used in examination of Genomics.
- One day workshop on Basics of Bio chemical Techniques (SDS PAGE) was conducted by Dr. Rachna Hora (Asst. Prof. GNDU). She explained the process of SDS by PPT Presentation and gave hands-on practice of SDS PAGE used in the determination of protein molecular weight and in the determination of specific proteins.

Clubs/Cells/Societies/Committees

- A workshop was organised by Career Counselling and Placement Cell in which guest speakers were Mr. Manoj Das, Mr. Amit Gumber, Mr. Vipin Jain from HDFC Bank. They discussed about Vigil Aunty, International Frauds , UPI Frauds , Fake Helpline Numbers , Sim Swap Fraud, Skimming, secured net banking tips, banking passwords and financial transactions.
- Dr. Nidhi Singhi, Career Counsellor at DBEE discussed with the students about the choice of career, procedure of applying for the government jobs, private jobs and entrepreneurship. Also, students were made aware regarding massive recruitment drive by the Chief Minister Bhagwant Mann to provide 26,454 government jobs.
- Idea Generation workshop was organised to highlight the various aspects to be considered while starting out sustainable and scalable business. Er. Shilpa Miglani Narang encouraged students to think of the various problems faced by society and spoke about generating ideas that would be viable as businesses. Idea generation competition was also conducted on the spot.

- 2 day workshop on topic 'Effective Public Speaking ' was conducted wherein speaker explains and demonstrated in how to specialize in art of public speaking.
- An industrial visit to yarn manufacturing plant was organized for students wherein the plant manager explained the process through which a single piece of yarn is made.
- The NCC cadets of college attended this Facebook live programme “Khwaashaan Di Udaan” by Punjab Government wherein Career Perspectives for Girls in Armed Forces: Opportunities and Challenges were discussed. Major General Jasbir Singh Sandhu, AVSM-Director of Mai Bhago Armed Forces Preparatory Institute for Girls enlightened the viewers about the different entrance exams conducted by UPSC for getting into Armed forces. Also, he provided insights into the Short Service Commission, Permanent Commission and Agni veer Schemes for the girls.

Evidence of Success: The practice of employability and skill development programs has helped in increasing the placement ratio and entrepreneurship. The evidences of success of the practice can be seen through placements in companies like OM careers and other recruiters who have visited the campus for placement activities.

Problems Encountered:

Following problems were encountered among the students regarding the need of Soft skills, Communication skills and aptitude as essential aspect for employment.

- Lack of willingness and perseverance
- Lack of courage and risk taking
- Lack of awareness

These were overcome by various interaction sessions conducted for students wherein students were made aware about the benefits of these skills and encouraged to become risk-takers.

Title of the practice 2: Green Choices to Sustain Tomorrow

Objectives of the practice:

- To generate awareness about environmental issues, judicious use of environmental resources and sustainability amongst all stakeholders for environmental protection to meet the needs of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To organize and participate in national events, workshops, seminars, conferences for promoting environmental sustainability.
- To reduce consumption and the amount of waste produced (Paper, plastic etc) by recovering and recycling wherever possible.
- To initiate regular environmental and energy audits for improvement and sustainability of the entire campus.

The Context: Keeping into consideration the three main pillars of sustainability that are environment, social responsibility and economic growth, the awareness amongst the students and faculty members can be inculcated for developing responsible attitudes, habits and lasting commitment towards environmental conservation and protection, be it at home, on the campus or in the wider community.

The Practice: The College has Campus committee, Environment and Swachh Society to monitor and create awareness regarding various environmental issues for sustainable development. The following green initiatives were taken for execution and impact monitoring at campus:

- The blue and green colored dustbins are installed at various locations to segregate the degradable and non- degradable waste and the students are encouraged to make use of them through display boards.
- The biodegradable waste is put in the vermicompost units so that it gets converted into organic manure whereas the non-biodegradable waste is given to local vendors.
- Use of renewable energy is promoted through installation of Solar panels at different locations in the college.
- For the energy conservation, the Energy club has been constituted and Energy-efficient electricals such as LED bulbs, tubelights etc have been installed.
- Reverse vending machine is installed near the canteen to recycle plastic bottles and aluminium cans.
- Incinerators are installed in faculty and student washrooms (hostel & campus) to dispose-off sanitary napkins efficiently.
- Environmental science and Road safety is a compulsory subject in the curriculum.
- The college maintains two Vermicompost units to recycle the leaf litter into organic manure for plants.
- Two Rainwater harvesting units have been installed in the campus to preserve water to be used at times of water scarcity.
- The plants in the campus are watered through Drip Irrigation with the purpose of water conservation. Furthermore, leakage-free pipelines and faucets ensure controlled usage of water.
- The library resources and administrative work have been digitalized, thus reducing usage of printed documents.
- The students and faculty are encouraged to opt for minimal usage of paper for academic and administrative purposes.
- Green cover of the college is increased by 1% every year through plantation drives.
- About 15 Bird nests are placed in the campus to enrich bird species diversity.
- There are Feeding zones for birds and animals at different locations in the college.
- Botanical garden with rare trees, herbal garden, Cacti zone, Nanak Bagichi-fruit Zone, biodiversity zone, hydrophytic zone and greenhouse are maintained in the campus.
- Proper Drainage is ensured from time to time to prevent the wastage of water.

- During the tutorials, the students are made aware to keep the campus clean and green. Also, they are made conscious about energy conservation such as switching off the lights and fans when they leave the classrooms.
- The college has taken the initiative under the motto-‘Plant one, Plant all’ to present planters with saplings to the dignitaries at various functions and events.
- To celebrate Van mahotsava, plantation drive was organised within the college premises to promote afforestation.
- To celebrate World Ozone Day, Powerpoint presentation competition, poster making competition and a rally were organized to highlight the significance of need to protect the ozone layer.
- The Environment and Swachh Society organised a workshop on **vermicomposting techniques and practices** wherein Dr SS Hundal, Former HOD Zoology, PAU addressed the students, faculty as well as class IV employees.
- The college organized a Marathon on “Run for environment and humanity” wherein MLA Gurpreet Gogi was invited as the chief guest.
- The college promotes celebration of clean and green diwali through various competitions such as Rangoli making and encourages selling of eco-friendly products prepared by Divyangjan belonging to varied NGOs.

Evidence of Success:

- The college was awarded with a certificate from MGNCRE (Mahatma Gandhi National Council for Rural Education) for being a Swachhta Action Plan Institution and it was accredited with A+ grade for the parameter of Green cover on campus.
- Several trees such as moringa, neem, melia, cassia, mango, jack fruit, pomegranate and guava were planted during plantation drive.
- There is a significant reduction in the electricity bills owing to installation of solar panels as the energy generated through these panels is utilized for tubelights and fans in the different blocks of the campus.
- The college shares unused electrical energy to the PSPCL grid. Also, the use of LED bulbs and tubelights has reduced the usage of conventional energy.
- More than 100 planters with saplings were presented to the guests on various college functions and events such as Convocation, Annual prize distribution, Farewell, Diwali, Teej etc.
- The college owns about 101 types of plants belonging to different families within the college.
- The organic manure/biofertilizer prepared in the vermicompost units is sold to the teaching, non-teaching faculty and students at the rate of Rs. 20/kg.
- The establishment of feeding zones and bird nests in the lush green campus have elevated the arrival of birds as well as animals such as pigeons, squirrels, doves, parrots, squirrels, mynas, peacocks, sparrows and many more.

Problems Encountered and Resources Required:

- It becomes difficult to convince and aware the students regarding the prevailing environmental issues and their negative impacts. The awareness programmes and door-to-door campaigns can help to overcome the obstacles.
- There are limited financial resources to support these practices and initiatives. However, more finances can be allocated for such initiatives.
- The maintenance of green zones, feeding zones, bird nests is quite a cumbersome task. However, this issue is overcome by allotting different sections to faculty and class IV employees for regular visits, monitoring and surveillance.