

1. BEST PRACTICE

Title:- 'Women empowerment and gender sensitivity in community'

Aim: - Maintaining and strengthening the status of Women.

Goals: -

- To promote gender equality conscience among girl students, women employees & among society.
- To empower Girl Students and Ladies staff member of college and make them stand firmly in their lives.
- To provide and maintain a dignified congenial working environment for women employees and students where they can work, study and explore their potential to the fullest.
- To make all the girl students aware of different jobs, opportunities available at global level
- To inculcate soft skill, professional skills and life skills among girl students.
- To encourage girl students to adopt self-employment by acquiring required skills through Skill Based Short-Term Courses run by the college.
- To take up concrete measures for the safety of girl students on and off college campus.
- To make all the girl students aware of health and care to be taken.

Women's Development Cell is a vibrant and incessantly active initiative of the institution toward maintaining and strengthening the status of women. It has been organizing varied academic, technical, medical, cultural and social events for the up-liftment of women and spread the real importance of gender equality in the society. Women development cell is statutory body for the prevention/action against sexual Harassment of women. It looks into the grievances / complaints of Teaching, Non-teaching staff and students especially in cases of gender discrimination.

As per the guidelines of university, WDC should work effectively in the institute towards equal educational opportunities to all. It has to organize workshops, seminars and talks to convey the message of gender equality. It also works for increasing the social awareness

among students through survey based research projects/Posters/Slogans /Essay/ Rangoli competition.

Objectives:-

- Spreading awareness among the students about the social, legal and constitutional rights of women in order to prevent the exploitation based on gender.
- To provide for dialogue, discussion, and deliberation on woman's rights and gender related issues.
- To encourage participation from NGO's and law enforcement agencies in this area.
- To review safety and security measures for female employees and girl students in the college campus.
- To encourage female students to be self-reliant and economically independent
- To produce equal career opportunities to all the genders.
- To increase the strength of girl students in the institute.
- To increase physical strength through Karate & Self-defence technique
- To promote research in improving woman status.
- To empower the girl students and ladies staff members of the college and make them stand firmly in their lives.
- To encourage girl students to adopt self-employment by acquiring required skills through Skill Based Short-Term Courses run by the college so as to develop multidisciplinary approach for the overall personality development.
- To make all the girl students aware of health, hygiene and care to be taken.
- To organize events and activities for women empowerment.
- To create an environment that will help women realize their full potential and give their best.

The Context:-

Women Empowerment and Gender Equality are the most important requirements for the enlistment and progress of our society. Equal educational opportunities to all and gender sensitization being one of the cross cutting issues have been the pivotal areas of higher education. But age old patriarchal system, growing cases of sexual harassment over the years, women's safety, their socio-economic backwardness, negligence of basic human rights to

women, etc. are the root causes behind the pathetic status of women in our country. Women are deprived of educational opportunities and equal justice in walks of the life. Unfavorable conditions rampant in the society prevent the girl student's to pursue higher education and better careers. Hence, by keeping in view the miserable status of women in the region, the college adopted the best practice of Women Empowerment and gender sensitivity to cherish betterment of the deprived section of the society through orientation and organization of activities supporting the same. Basic purpose behind the activities carried under the practice is to open an array of avenues and opportunities for girl students to attain personal progress and excel in professional life. The fundamental goal of this practice is attain empowerment and enlightenment of all the woman stakeholders of the college through self-awareness and realization by providing them all possible space and opportunities. Gender equality, women's safety and their empowerment has been one of the areas of concern now a days. Timely orientation on the same is the key to prevent mishaps caused by the anti-social groups/forces. The college believes that there is no tool of National development other than the Women empowerment. When girls and women have adequate education, rights, space and opportunities, their families, communities and ultimately the Nation prosper.

The Practices:

The college has formulated a separate Women Development Cell along with the statutory committees such as Anti-ragging Committee and Anti-Sexual Harassment Committee for the effective planning and execution of the practice. The cell strives for girl students on college campus, their overall development and guaranteed active involvement in different activities. The practice also aims at the discipline to be maintained on the college campus which is one of the requisites for smooth functioning of the college.

Women empowerment and Gender Sensitivity include following components:-

- Safety of girl students on and off the college campus
- Awareness about Health and Hygiene.
- International Women Day Celebration
- Organization a Gender Equity Lecture
- College offers Skill based short term courses for girl students.
- Involvement in co-curricular and extra-curricular activities.

- Participation of girl students in Research Projects, Sports, NSS, DLLE, Cultural, etc.
- Awareness about the special provisions made by law.
- To Provide redressed mechanism for the grievance or compliance for the girls.

Implementation:-

Girls common room is well ventilated and has washrooms, dressing mirrors, sanitary pad, vending machines with inclinators, first aid box etc. There is suggestion/complaint box outside college office (Sakhi) where girls can give their suggestions to improve in all areas. In case of illness girl students are taken to nearby Primary Health Centre, Nagothane for medical treatment accompanied by a lady teacher. International Women Day was celebrated on 8th March 2020. The various programmes arranged by WDC and Institute during the year 2019-20 are given below:-

Details are-

1) One day Self Protection Workshop- 23/07/2019-

Women Development Cell arranged one day self-protection workshop for girl students 23/07/2019..Mr.Dhananjay Jagtap , Black Belt Holder, international Karate player from Super Diamond Martial Arts, Nagothane and his students Mr. Gaurav, Miss Dikshita Mhatre etc demonstrated the practical activities and skill of the self-protection. Nearly 100 girl students are benefited.

2. Demonstration of use of Sanitary Napkin vending Machine in different batches in the first week of August:- Demonstration of use of Sanitary Napkin vending Machine English & Hindi was given to the F. Y. B. Sc students who were newly admitted to college. The Demonstration video was also circulated to create awareness and easy accessibility.

3. Lecture on Health and Hygiene – 6/8/2019

In this workshop Health & hygiene Information was given on 6/8/2019 by Dr. Lakshmi Bharti, from Reliance Industries Ltd Nagothane. She talked about Disease like Aids, Breast Cancer, Cervical Cancer, personal hygiene etc. and also solved difficulties of girl students about health. Nearly 100 girl students are benefited.

3. Self-employment Course offered by Women development cell - 23/08/2019

A certificate course for girl students to develop self-employment skills is arranged by Women development cell on 23/08/2019. Girl students were demonstrated with

1) Agarbatti making 2) Phenyl making by Mrs. Shilpa Nikam, from Swayamsidha Creations, Kharghar, Navi Mumbai. Nearly 50 girl students and 20 boys were benefitted and some girl students completed the course.

4. Celebration of Balika Din & Visits to neighbouring Girl students School-

On occasion of birth anniversary of Krantijyoti Savitribai Phule on 3/01/2020, Women development cell members visited the Z.P Kanyashala, Nagothane and K.E.S Primary school and distributed chocolates and school materials i.e. Notebook, Pencil etc. Dr. Sandesh Gurav, Mrs. Smita Choudhari, Dr. Sharda Rao, Dr. S.D. Tupare, Mrs. Jyoti Prabhakar were present. Nearly 50 girl students of Z.P School & 100 students of primary school are benefitted.

4. Participation in online international Workshop:

Our Ladies staff members actively participated in online international workshop in “Building a strong immune system by practicing Yoga and Ayurveda” organised by VALA foundation held on 14 May 2020.

5. Celebration of the International women's day-

On occasion of the Celebration of International women's day on 8/3/2020 Prizes to girl students with best academic performances and other activities, Felicitation of achiever ladies Staff members of college by the WDC members and President of WDC. Nearly 15 girl students are benefitted with this program.

Evidence of Success:-

It is matter of pride that the efforts of Women Development Cell gave fruitful results and brought success stories for institution such as:

- The admission of girl students increased in the institute. The Total student count of the college is 505 in the year 2019-20. Out of these, male count is 222 and Female count is 283. There are 18 girls students doing their Post Graduation in chemistry.
- Avishkar Research Project entitled “Chemical investigation and screening of phytochemicals of folk medicine Bhamburda (Blumea Lacera) to cure dermal diseases” presented by student Miss Disha Dighe, Nivedita Mhatre, Vishakha Gurav, Harshali

Tikone (All T. Y. B.Sc. girls) and guided by teacher Miss Chaitrali Patil awarded by prize at district level was also selected till ppt round at university level for the year 2019-20. The competition was held by Vishwaniketan institute of Management and Engineering, Khalapur on 22/12/2019 and K. C. College Churchgate on 04/1/2020. Science Association In-charge Dr.(Mrs) Smita T. Morbale motivated the team of students and teacher guide to complete the project. This success belongs to Team of Women.

- Miss Krushnali Dattaram Gharat student from T. Y. B. Sc. Chemistry participated in Leadership Camp, State level Utkarsh cultural Festival, held at North Maharashtra University, Jalgaon, and Participated in State level Prerana Camp held at Sant gadge Maharaj University Amravati, and Participated in State level Youth Parliament at Pune. Also achieved third rank at district level in Youth Parliament Competition.
- Parents of girls have started giving first preference to our institution in admitting their wards.
- The girls are motivated to join police force and also to pursue higher education.
- Women-friendly campus and supportive learning environment is established.
- The facility of Sanitary Napkins Vending Machine is being used and appreciated by girls. The purpose is to promote safe and hygienic- sanitary practices among women and girls.
- Faith have been created among parents about safe and secured atmosphere of college campus.
- Student council has large representation by girl students.
- Ragging, Eve teasing/harassment is reduced completely in the premises.
- Offenders are punished from time to time.

Now-days, it has been found that girl students are in the merit of academics and co-curricular activities.

Photographs of the activities conducted during the year 2019-20



Poster Presentation by the students at Avishkar research convention



Self employment workshop :- Phenyl and Agarbatti



Self Protection Workshop Karate



Celebration of Balika Din



Health and Hygiene Programme

2.BEST PRACTICE

Title :- Promotion of Research Culture

Aim: To motivate students and faculties to enhance research activities for the benefit of community.

Objectives:-

- To enhance research among students and teacher of the Institution
- Encouragement for quality publications
- To facilitate community oriented project through outreach programmes.
- To motivate faculty to supervise their research scholars towards the minor research project.
- To encourage research scholar to organize / participate in seminars and conferences to unfold new areas of research
- To encourage the teachers to upgrade their qualification in form of M. Phil. /Ph.D./Post Doctoral degree in respective subjects.
- To encourage the teachers to acquire recognition as research guides from University and to start Ph.D. programme in respective subjects.
- To upgrade the library facilities toward research and development.
- To motivate students to undertake value added projects.

The Practice:-

The following practices are taken up by the institute for promotion of research among student, teachers and community:-

- 1) IQAC and Science association committee publishes science bulletin “Prerana” and organises project exhibition, research poster competition, rangoli exhibition etc.,
- 2) It organizes research poster presentation of PG students in the premises which is open for UG students, Junior college students.
- 3) Rangoli exhibition on Green chemistry, Global warming and AIDS awareness has been organized as a social issue.
- 4) In the beginning of the academic year orientation programme for the students is organized to motivate them for research competition and projects.

- 5) Research committee conducts orientation programme for the teachers to encourage them for undertaking MRP's under University of Mumbai, DST, UGC etc.,
- 6) Teachers and students are encouraged to publish their research article in National/ International Journal of high impact factor.
- 7) Teachers and students are encouraged to attend conferences, seminars, workshops, etc.,
- 7) As a result of this faculty of institution has got recognition as a teacher to guide Ph.D., M.Sc. by research, M. Sc. by papers under University of Mumbai.
- 8) From last three years Dr. D.V. Bhagat has been nominated as a District coordinator for Avishkar research convention conducted by University of Mumbai.
- 9) Department of chemistry and woman development cell has organized workshops on value aided courses such as preparation of phenyl and Agarbatti. In addition to this Department of Botany and Zoology have organized workshops on value aided courses such as preparation of pranws pickle and ayurvedic cosmetics.

Implementation:-

Institute has active research committee and it believes that research plays an important role in the growth of an institution. Under the guidance of research committee department of science streams such as Chemistry, Physics, Botany, Zoology has submitted research proposals to the funding agencies such as UGC, DST and University of Mumbai. Proposal has submitted Maharashtra Pollution control board for continuation of research collaboration for monitoring two NAMP points at MIDC Dhatav. Teachers and students are encouraged to participate in Avishkar Research Convention of University of Mumbai and National / International conferences. Teachers and students are encouraged to attend seminars, conferences/workshops. Financial support is given to them for their participation/involvement in such ventures. Teachers are encouraged to pursue M. Phil./Ph.D./Post-doctoral degree in their respective subjects under the motivation of IQAC and research committee. They are also encouraged to acquire recognition as research guides from University and process is initiated to start Ph.D. programme in respective subjects.

For collaborative research Placement and interaction with industries, Institution form number of MOU's with pharmaceutical and chemical industries.

To facilitate research and research scholar's reference section in the Central Library is developed by

- Subscription of national/international research journals/periodicals.
- Provision of NLIST-INFLIBNET Programme to access online research journals.
- Provision of internet facility in labs and departments.

Evidence of Success:-

It is matter of pride that the efforts of IQAC and research committee gave fruitful results and brought success stories for institution such as:-

IQAC and Science association committee organizes research poster presentation of PG students in the premises which is open for UG students, Junior college students.

Department of Chemistry and NSS organizes Rangoli exhibition on Green chemistry, Global warming and AIDS awareness.

In the beginning of the academic year orientation programme for the students is organized to motivate them for research competition such as Avishkar research convention, National Youth congress under University of Mumbai. Research committee conducts orientation course for the research scholars so that they could undergo MRP.

This year 20 students participated at zonal competition organised by Vishwaniketan Engineering College, Khalapur. 8 projects were presented and one project was selected for the University round.

Department of science streams such as Chemistry, Physics, Botany, Zoology has submitted research proposals to the funding agencies such as UGC, DST and University of Mumbai. Out of that 4 research projects are sanctioned for Department of Chemistry at the outlay of Rs. 1, 60, 000/- by University of Mumbai.

Teachers and students are encouraged to publish their research article in National/ International Journal of high impact factor and to attend conferences, seminars, workshops, etc., Faculties have published 17 research papers in National/International Journals. Out of that 3 papers published in web of science and Scopus indexed journals and remaining papers are published in UGC care listed and peer reviewed journals. With this inspiration of faculties, they visited and presented 47 papers in National/International conferences.

Proposals for University recognition for degree of Ph.D., M.Sc. (by research), M.Sc. (by papers). Three teachers Dr. D.V. Bhagat, Dr. V.S. Chavan and Dr. S. D. Tupare have got reorganization as a teacher to guide the students of Science for Ph. D. degree from Mumbai University.

Dr. V. R. Jadhavar has got reorganization as a teacher to guide the M.Sc. (by papers) from University of Mumbai.

Dr. S. T. Morbale have got reorganization as a teacher to guide the M.Sc. (by research) and M.Sc. (by papers) students from University of Mumbai.

Workshops on value aided courses such as preparation of phenyl and Agarbatti conducted by woman development cell and Department of Chemistry. Shilpa Nikam was invited to guide and demonstrate the 85 participants of the workshop. In addition to this, Department of Botany and Zoology conducted a workshop on value added courses such as preparation of pranws pickle and ayurvedic cosmetics on 10th Feb. 2020. Mrs. Shilpa Nikam was invited as a resource person for this workshop where the 38 students participated in the workshop.