

BEST PRACTICE 1

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

Aim: - Maintaining and strengthening the status of Women.

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 promote gender equality conscience among girl students, women employees & among society.
- To provide for dialogue, discussion, and deliberation on woman's rights and gender related issues by organising events and activities for women empowerment.
- 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 by acquiring required skills through Skill Based Short-Term Courses run by the college.
- 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 culture in improving woman status.
- 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 health, hygiene 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 upliftment 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.



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 of higher education. But age-old patriarchal system, growing cases of sexual harassment over the years, women's safety, their socio-economic backwardness, and negligence of basic human rights to women 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 womenempowerment and gender sensitivity to cherish betterment of the deprived section ofthe 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 nowadays. Timely orientation on the same is the key to prevent mishaps caused bathe anti-social groups/forces. The college believes that there is no tool of National development other than the women empowerment. When women have adequate education, rights, space and opportunities, it will prosperity to their families, communities and ultimately the Nation.

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 ofthe 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 Lectures/Seminars
- 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 activities etc.
- Awareness about the special provisions made by law.
- To Provide redressed mechanism for the grievance or compliance for the girls.

Implementation:-

The college have girls common room which is well ventilated and has washrooms, dressing mirrors, sanitary pad, vending machines with inclinor, 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 2020-21 are given below:-

Details are-

1) Webinar on 'Health Advice with reference to the Post Covid – 19 situation': 12th

February 2021

K.E.S. Anandibai Pradhan Science College Nagothane, IQAC & Women Development Cell organized webinar on 'Health Advice with reference to the Post Covid – 19 situation' On 12th February, 2021 at 10.00 AM on online platform; Microsoft Teams for S. Y. B. Sc. students and staff. Invited Speaker was Dr. Bharti, Medical Officer, Reliance Industries Ltd, Nagothane. She delivered a speech on Covid- 19 and advised to take proper precautions in Post Covid – 1 situation. e – Certificates were provided to all participants after filling feedback forms .Feedback link will be shared in chat box during webinar. Link for joining was be provided separately on this what's app group. 60 girls were participated in the programme. The program found fruitful and beneficial to college students.

2) Online Webinar on- Hindu Marriage Act – The Current Scenario: 9th March 2021

K.E.S. Anandibai Pradhan Science College Nagothane, Women Development Cell organized webinar on 'Hindu Marriage Act – The Current Scenario' on 9th March, 2021 at 4.00 p.m. on online platform; Microsoft Teams for S. Y.B. Sc. students and staff. Invited Speaker was Adv,



(Mrs.) Sonal J. Jain, Nagothane. She delivered a lecture on the knowledge of laws of Hindu marriage act and its current scenario e – Certificates were provided to all participants after filling feedback forms Feedback link will be shared in Chat box during webinar Link for joining was provided separately on this what's app group . It was great awareness program for girl students.

3) Self-employment skill development, Bag making workshop: 1 April 2021

K.E.S. Anandibai Pradhan Science College Nagothane, Women Development Cell organized webinar on 'Self-employment skill development - Bag making workshop for S. Y. B. Sc. students and staff on 1st April, 2021 at 4.00 p.m. - 5.00 p.m. on Online platform; Microsoft Teams. Resource Person was Mrs. Manali Sahastrabudhdhe, Calssic Bag makers, Nagothane. She demonstrated making of bags with cloth, jute etc. students were provided with e – Certificates. 100 girl students benefitted from 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 525 in the year 2020-21. Out of these, male count is 229 and Female count is 296. There are 25 girls students doing their Post-Graduation in the subject chemistry.
- Avishkar Research Project entitled "Online learning vs. Face to Face Learning: Opinion base study during Covid Crisis" presented by student Miss Sawant Pratiksha Shivaji, T. Y. B.Sc. and guided by teacher Dr. Smita T. Morbale has been selected for the final round and received certificate of merit. The competition was held by Department of student welfare, University of Mumbai by virtual mode.
- Miss Krushnali Dattaram Gharat student from T. Y. B. Sc. Received award of Best NSS volunteer by University of Mumbai.
- 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 has 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.

Problems Encountered and Resources Required:-

Due to pandemic all programs were conducted on virtual platform. It arrived difficulty for arranging activity like self-defense program as well as for some professional trainings like tailoring, flower making, Scent/perfume making etc.

Contact Details

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[Signature]
PRINCIPAL
 K.E.S. A. P. Science College
 Nagothane, Dist. Raigad (M.S.)

BEST PRACTICE 2

Title :-Promotion of Research Culture

Aim:-To motivate students and faculties to enhance research activates 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 encourage UG/PG students 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 organizes project exhibition, research poster competition, rangoli exhibition etc.
- 2) College 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.



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 been 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 department

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:-

- ❖ 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.
- ❖ From last three years Dr. D.V. Bhagat has been nominated as a District coordinator for Avishkar research convention conducted by University of Mumbai.
- ❖ IQAC and Science association committee organizes research poster presentation of PG students in the premises which is open for UG students, Junior college students.
- ❖ One day orientation program was organized for UG and PG students on 20/03/2021 to motivate student for participation at Avishkar Convention. Total 40 students involved in this program.



- ❖ Total number of students 11 participated at 15th Inter collegiate/ Institute/ Department Avishkar Research Convention 2020-21 from which Sawant Pratiksha Shivaji, Gupta Nitish Paramanand, Sawant Pranam Atmaram and Watve Anuja Sunil received certificate of merit and participated at final round. They presented their research project entitled "Online learning Vs Face to face learning: Opinion based study during Covid Crisis".
- ❖ M.Sc. I year student Miss Ruchika Nikam participated at National Conference Recent trends in interdisciplinary research in basic sciences 2021 held by Pillai HOC arts science commerce college Rasayani, affiliated to 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 19 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 papers in National/International conferences.
- ❖ 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.

Problems encountered and resources required:-

Due to pandemic the students as well as staff were unable to perform experimental part of their projects/Research in laboratory.

Contact Details

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