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PREFACE

I feel privileged to be a part of Govt. Holkar Science College which is one of the oldest colleges of central India and always recognized for its high quality academic and research output. It continues to be a leading college of Madhya Pradesh. The college constantly strives to live upto the high standards of research set by the eminent professors of this college in the past. A number of faculty members of the college are pursuing research in various fields. The college is also having some ongoing major and minor research projects.

We have drafted the research policy with a view to strengthen the culture of research on the campus. The main objective of this policy is to make students research-oriented by fostering inquisitiveness, spirit of innovation and creativity in young minds. This policy envisages a research ambience in the college that offers ample opportunity to the prospective researchers to choose from a wide variety of the fields of investigations, ranging from the ones addressing the global concerns as well as those that have local relevance. Due emphasis is also given to the green research. A number of seminars, conferences and workshops are held on the campus round the year. They help members of the staff to update their knowledge and skills. The cross-fertilization of ideas that takes place during the discussions on these occasions opens up new avenues for scientific exploration.

I hope the policy will serve the purpose of reinforcing the norms and conventions of research handed down to us by the great scholars who have graced the institution from time to time. I further hope both the teachers and the taught would find this document useful for their research pursuits alike. It will help them to keep pace with the changing times. I earnestly wish it motivates them to take to research with a renewed sense of obligation to contribute to the advancement of science.

I highly appreciate the pains taken by the members of the staff in assuming the responsibility for framing the policy. I appreciate and admire the efforts taken by my team to give this policy a concrete form.

Dr. R.K.Tugnawat

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मेरे सपनों का भारत

मैं ऐसे भारत के लिए कोशिश करूँगा, जिसमें गरीब से गरीब आदमी भी यह महसूस करे कि यह उसका देश है, जिसके निर्माण में उसकी आवाज का महत्व है। मैं ऐसे भारत के लिए कोशिश करूँगा, जिसमें ऊँच-नीच का कोई भेद न हो। जातियाँ मिलजुल कर रहती हों। ऐसे भारत में, अस्पृश्यता व शराब तथा नशीली चीजों के लिए, कोई स्थान न होगा। उसमें स्त्रियों को पुरुषों के समान अधिकार मिलेंगे। सारी दुनिया से हमारा सम्बन्ध शांति और भाईचारे का होगा। यह है मेरे सपनों का भारत।

मोहनदास करमचंद गांधी

INTRODUCTION

Research plays a vital role in the growth, sustainability and academic excellence of an educational institution. It has now become the core activity integrated with learning, teaching and knowledge transfer in colleges. Initial research work conducted in this institute was based on 'disciplinary approaches' i.e. isolation. Later on multidisciplinary approaches were observed in research but lacked cooperation and focus. Another trend in some research work was 'cross disciplinary'. In this type of research cooperation and definite; goal are achieved but there was polarization towards a specific monodisciplinary concept. Recently in most of the research work interdisciplinary approaches were employed resulting in cooperation on a higher level, but concept is still a problem. But, the need of the hour is an interrogative approach. This type of research will be multilevel and with large scale approach i.e. involving innovation system. This transdisciplinary approach will include understanding based on 'across' and 'among' disciplines. Probably this type of approach will lead towards sustainability in science.

The present research policy is drafted with a view to give fresh impetus to research activities in Holkar Science College. It is an attempt to draw students towards research by making them aware of its implications both in terms of individual as well as collective advancement of human civilization. One of the major objectives of the policy is to promote green research. The policy envisions a research ambience on the campus that facilitates high quality research. A sincere implementation of this policy will strengthen the base of research in the college. Our peers who are already engaged in research will also find this document useful for their own purposes. For the younger generation it will be a source of inspiration for novel ideas, innovative practices and scientific research. It may also help open new vistas of employment for them to the places, where research is of strategic importance.

GOALS AND TASKS



Each department of the college should make an effort to submit minor/major projects. This will help in creating research environment at the departmental level.



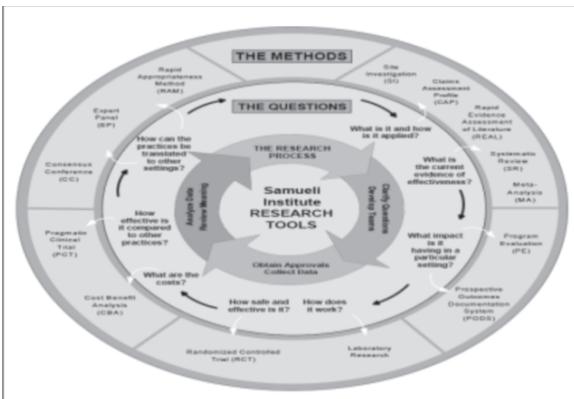
For promoting research, it is essential that all faculties publish at least 02 papers in National and International Research Journals having good impact factor and in AAS rating and encourage non Ph.Ds to get registered for Ph.D. degrees. M. Phil. students must publish or submit atleast one research paper before submission of dissertation, and viva-voice.



For the proper implementation of the research policy, a research and development coordination cell has been formed. It has been entrusted with the responsibility of enhancing research at the departmental level. This committee will also organize workshops or training programme for guiding research projects and preparing the faculty members for research.



College students will be motivated for research. They will also be encouraged for inspir or schlorship of UGC.



For improving the quality of research, each faculty member will be asked to attend a programme on research methodology.



Each department of the college shall be developed as a research centre and its recognition from university will be duly obtained.



For the promotion of research activities and the improvement of the skills of the faculties/research students, scholars the college research policy advises utilization of a part of UGC grant for the purchase of research instruments. It will support research advancement in the college.



The college shall develop a centralized research lab for creating an interactive platform across the campus for promoting research. It will be a step towards creating an atmosphere more conducive to research pursuits.



Renovation and modernization of existing laboratory facilities to support scientific research at departmental level.



In order to support long term basic research in all the subjects. Research friendly environment is to be created. Development of professional skills within various fields and disciplines will be encouraged.



Encouraging national collaboration in the field of research. Wide publication of research findings keeping pace with the global trends and standards.

IMPLEMENTATION OF THE POLICY

The College has set up a Research and Development Coordination Cell which consists of the academic members and researches from various disciplines. The Committee shall take necessary actions for effective and quality research and suggestions will be invited from the researchers.

Budget shall be sanctioned by the College for the effective implementation of the policy.

Policy shall be implemented to :

- Develop strong theoretical foundation and understanding among students and faculty members.
- Create a conducive research environment at par with international standards.
- Encouraging faculty members and students to take up research projects.
- Organizing seminars, conferences, where Research papers could be presented for promoting Research.
- Collaboration with other institutes to promote research work for students and teachers.
- Building models that could utilize the outcome of research for the benefit of the society.
- Encouraging faculty members for presentation.
- College will start a Research Journal of multidisciplinary nature.
- Teachers of the college will also be motivated for text and reference book writing.



EXISTING ENCOURAGEMENT FOR RESEARCH

1. The college must motivate the professors for research work. For this, if required, the workload of practical and theory classes of the professors who are involved in research work can be minimized as compared to the general professors. (Decision taken by the Governing Body on 8.8.2008)
2. To encourage the research work, research students should be selected and they should be given fellowship of Rs. 8000/- per month for two years. (Decision by the Governing Body on 8.8.2008)
3. To take the services of the retired professors for research work, an honorarium of Rs. 10,000/- per month's shall be paid. The internal committee of the college is authorized to take the services of those retired professors who could improve the quality of the research work. (Decision by the Governing Body on 8.8.2008)
4. To encourage, a national level scientist in Chemistry of high level research, every year (a scientist/professor) is given Deshpande Award since the Year 2011. This includes a cash prize of 21,000/-, a felicitation letter etc. Besides this, a lecture of the awarded person is also organised.

ACKNOWLEDGEMENT

College administration extends sincere thanks to the convenor Dr. Mangla Dave Gautam and Dr. Man Mohan Prakash Shrivastava and his team members, Dr. Poonam Bhatnagar, Dr. Anis Siddiqui, Dr. Vivek Raich, Dr. Netram Kaurav and Tausheeh Siddique for making sincere efforts in framing the college Research Policy. We hope this policy will certainly help the college in building and expanding the Research atmosphere and will also succeed in attracting the young generation for opting Research field as a career.