

Annual Quality Assurance Report (AQAR) of Internal Quality Assurance Cell (IQAC) for the Academic Year 2010-11



Govt. Holkar Science College Indore – 452017, M.P.

(An Autonomous Institution and Centre of Excellence)

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Part- A:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

- National Level Seminar to be organised by Department of Physics.
- Lectures by invited scholars in different departments.
- Workshop on “improving skills in Pharmaceutical Practices”.
- Workshop on “Immunological Experiments”.
- Workshop on “Reliability and Maintainability”.
- Workshop on “Biodiversity Awareness with special reference to regional flora and fauna”.
- Collaborative activities with other research institutes.
- Excursion tours for students.

Part-B:

(1) Activities reflecting the goals and objectives of the Institution:

The goal and objective of the Institution is to provide students an atmosphere which is instrumental to their all-round development, which could eventually develop them into a responsible citizens and thoughtful human beings.

In addition to high quality regular teaching, excellent academic programs like seminars, workshops, extension lectures, conferences along with cultural activities, participation in quiz competition, youth festivals, programs of social importance, sports activities etc. helped students to develop a balance personality.

(2) New academics programs initiated:

A proposal has been sent to Directorate, higher education, government of Madhya Pradesh start of post graduation in pharmaceutical chemistry and M.Phil. degree course work in Botany.

(3) Innovation in Curricular design and transaction:

All departments have modified their course structure according to the semester curriculum.

(4) Inter-disciplinary programs started:

Inter-disciplinary research activities have been promoted by the institution. The outcome of this program is reflected through the publication of research papers in the journals of national and international repute.

Inter-disciplinary seminars are also organized for post graduate students of the college.

Various inter departmental competition including sports activities have also been organized.

(5) Examination reform implemented:

Under Autonomous scheme and the status of centre of excellence, the collage has already adopted the semester system. The carry examination (only in one paper) of under gradate(UG) and post graduate (PG) students were conduct within 45 days of the declaration of result of results before the next main semester theory examination [MSTE]. Despite the large number of students in the college and different subject combinations, department of examinations tries to declare the semester theory examination results within 30 days of the conduction of examination.

There is a facility of ‘**on the spot moderation**’ of Question papers before they are being to the students in the Examination, so that chances of leakage of papers become Zero. The question papers are critically analyzed by the subject experts of our college. If a paper is not found up to the mark, it is changed after deliberations with examination department.

(6) Candidates qualified NET/SLET/GATE etc:

NET/SLET/GATE being post- P.G. examinations, record of students passing these examinations is 06.

(7) Initiative towards faculty development program:

Members of faculty have been encouraged by the college administration to attain the Workshops, Seminars, Training Programs, Orientation and Refresher Courses in their subjects as well as Office automation, Office administration, Account’s training etc.

Training programme ---

Deptt. of chemistry Dr.Vijay r. Chourey attended computer training in 2010, REPV Naronha, Bhopal.

Deptt. of Geology Prof. Shailesh k. choure and Prof. Poonam Bhatnagar have attended a week’s training at the Indian Institute of Remote Sensing, Dehradun.

Prof. Saroj Mahajan, deptt. of botany has attended training (dated- 12-13th Aug. 2010) on “intellectual property right” from RCPV Naroraha academy, Bhopal.

Refresher courses ---

Dr. Laxmi Tantuvay, Dr. Pramila Kori, Prof. Ashok k. Barua and Prof. Pushpa Makwana in deptt. of chemistry have attended refresher course (dated 26.08.10 to 15.09.10) from ASC, DAVV, Indore.

(8) Total number of Seminars/ Workshops conducted:

01- National Seminar and 04-Workshops--

- ◆ One day National Seminar organized by Deptt. of Physics, Govt. Holkar Science College, Indore, on 15th feb., 2011.
- ◆ Workshop on “improving skills in Pharmaceutical Practices” organized by Deptt. of Pharma chemistry , Govt. Holkar Science College, Indore. 11-12 Dec., 2010.
- ◆ Workshop on “Immunological Experiments.” organized by Deptt. of Biotechnology and Biochemistry ,Govt. Holkar Science College, Indore. 27-28 March, 2011. Sponsored by MPCST.
- ◆ Workshop on “Reliability and Maintainability” organized by Deptt. of Statistics, Govt. Holkar Science College, Indore. 23-24 March, 2011. Sponsored by UGC, New Delhi.
- ◆ Workshop on “Biodiversity Awareness with special reference to regional flora and fauna” organized by Deptt. of Environment and Botany, Govt. Holkar Science College, Indore. 21 April, 2011. Sponsored by M.P. State Biodiversity Board, Bhopal.

(9) Research Projects:

Major project: nil

Minor project: 1

(10) Patents generated, if any: Nil

(11) New Collaborative research Program:

Collaborative research programs are going on with:

- Devi Ahilya Vishva Vidyalaya (DAVV).
- Other university and Organization such as Dr. Raja Ramanna Center for advanced Technology (RRCAT).
- National Research Center for Soya bean, (NRCS).
- Inter University Consortium (IUC).
- University Teaching Departments (UTDS).
- Mahatma Gandhi Memorial Medical College (MGMMC).
- Institutes/ laboratories such as IVRI, Bareilly (U.P.).

- Institute of Animal Husbandry and Veterinary Biological Products Mhow, Indore.
- Sahkari Dugdh Sangh Maryadit, Indore.
- CHL Apollo Hospital , Indore ;
- Plethico Laboratories, Indore.
- Welcure Remedies, Indore.
- Chouksey Laboratories, Indore.
- Naveen Fluorine International Ltd. Dewas.
- Parental Drugs India Ltd, Indore.

(12) Research Grants Received From Various Agencies:

- (i) University Grants Commission (UGC) New Delhi.
- (ii) Madhya Pradesh Council of Science and Technology (MPCOST), Bhopal.

(13) Details of research scholars:

Total twenty eight students are registered.

(14) Citation index of faculty members and impact factor:

Generally research work published in Journals which have their own ISSN Numbers and Indexing facilities. It varies from journal to journal impact Factor of our Journals is not Known.

(15) Honors/Awards to the faculty:

Total received - **06**

Dr. Captain Sanjay Vyas deptt. of botany received National Award “Director General of NCC Commissioned Award and Batch”.

(16) Internal Resources Generated.

The primary goal of the college is to provide the best education. To achieve this, the college has autonomy to design its own Curriculum, fee structure etc. college is running the high tech subjects viz. Computer Science, Electronics, Biotechnology and

Pharmaceutical chemistry. There is a Merit as well as a Self finance facility through Self- Finance Schemes.

(17) Details of departments getting SAP, COSIST (ASSIST) / DST. FIST etc. assistance/ recognition. : Nil.

(18) Community Services:

The members of NSS unit and NCC Candidates of the College regularly provide Social Services to the Various Communities of the Society.

College also arranged some special programs for the school children. Identification of Plants of Medicinal values in surrounding region of Indore City etc.

Under the Women Empowerment Programs were discussed amongst the girls.

Some of the faculty members of the college are members of NGOS and are regularly extending community services through them.

(19) Teachers and officers newly recruited:

In the college 55 teachers have been recruited temporarily in different subjects on the basis of rules and regulations of Department of Higher Education, Govt. of Madhya Pradesh.

(20) Teaching – Non- teaching staff ratio:

1:28

(21) Improvement in the Library Services:

A Separate section of considerable dimension has been made available to the students for reading News Papers and Magazines.

New and comfortable News- Paper Stands are also available to the students.

A Property Counter has been started to facilitate better services to the students. To control any mischief CCT cameras are installed in library.

Library has 30 Display Boards to exhibit various information, posters, news bulletins etc.

Library has its own photocopier-cum-scanner-cum-printer machine.

(22) New books/ Journals subscribed and their cost:

- Total number of Books Purchased: 1511
- Total Cost of Purchased Books : Rs. 934536.
- Journals Subscribed : 06
- Total Cost of Subscription : Rs. 12299.
- e- Journals : Rs. 12500.

(23) Courses in which student assessment of teachers is introduced and the action taken on student feedback:

Assessment of teachers by means of feed- back forms obtained from the students was carried out in almost all the courses.

Principal of the college and all head of deptt. assess the performance of their subordinate permanent as well as guest faculty time to time.

(24) Unit Cost of education:

Rs. 18,250.00

(25) Computerization of administration and the process of admissions and examination results, issue of certificates:

All the sections of the office are computerized and networked.

Online admission facility has also been extended to the candidates.

Examination results are made available on college Website and student can download the provisional statement of marks.

(26) Increase in the infrastructural facilities:

- ◆ Renovation of the College building.
- ◆ Renovation and Construction of Laboratories.
- ◆ Renovation of the examination Department.
- ◆ Paving of internal roads and passages in the college campus.
- ◆ Development of Gardens and Landscapes in the college campus.

(27) Technology up- Gradation:

The laboratories of all subjects have been upgraded as per the need of the syllabus.

Audio-Visual aids are also made available to different departments.

(28) Computer and internet access and training to teachers and students:

Free broad band internet access is available to all students, teaching and non teaching staff members during college hours. The entire departments are having computer with internet facility.

Short term computer Awareness Programs (CAP) and Training Courses have been organized in the college. Subject experts and guest faculty are invited for knowledge up dating.

(29) Financial aid to students:

- ◆ On the basis of merit cum means this institute provides three half freeship facilities to each Section of Self financed Courses.
- ◆ Full-Freeship and Scholarships to students belonging to SC/ST/OBC/ as per government norms.
- ◆ In addition to above, Government of MP gives the Following Scholarships.:
- ◆ Gaon ki Beti: For girls coming from rural areas.
- ◆ Pratibha Kiran: For girls coming from urban areas.
- ◆ Vikramaditya Yojana.
- ◆ Merit- cum-means scholarship.
- ◆ Scholarship for disabled.

- ◆ The institute gives: Full- Free ship to students whose parents live Below Poverty Line (BPL Card Holder).
- ◆ Full- free ship to students who have lost their earning parents.
- ◆ Post - M.Sc. Research Scholarship @ Rs. 8,000 per month for two years for a candidate registered at the institute under the supervision of the faculty of this college.

(30) Support from the alumni association and its activities:

The association of old Holkarian's gets together on various occasions. They extend their full support (both moral and financial) to the institutional development.

(31) Support from the parents- teacher association and its activities:

In the college parents-teacher Meetings (PTM) are organized at departmental level. In these meetings in addition to the resolution of individual problems of the students, issues like improvement in the institution, educational system, students benefit policies etc. are discussed, in these meetings parents are also apprised of their ward's progress in the institution. Thus the parents in a way help to maintain discipline and cordiality on the college campus.

(32) Health services:

A primary health center has been working in the college for several years. A full time government medical officer has been appointed by the government and the chief Medical Officer (CMO) controls him. Every department of the college provides First-aid facility.

(33) Performance in sports activities:

08 Boy's Teams and 05 Girl's teams have taken part in different sport events and represented college at university, District , Division and state levels.

(34) Incentives to outstanding sportspersons:

Priority in Govt. Services, Weight age at the time of admission, certificates of performance, Sports kit etc. are provided to outstanding sports students.

(35) Student achievements and awards:

(i) Ku. Tirveni Vijaykar and Ku. Varshita Verma have represented Devi Ahilya Vishwavidyalaya (DAVV) in Basket Ball. The University team of which they were members, finished up as runners-up at state level tournament.

(ii) Ku. Radhika Chinchalkar was the Captain of the Table Tennis team of the College and Devi Ahilya Vishwavidyalaya [DAVV] Indore. As captain, she also represented the Indore District as well as Indore Division.

(iii) Ku. Urvi Goyal and Ku. Amandeep Sandhu were selected in the Hand-Ball team of Devi Ahilya Vishwavidyalaya [DAVV], Indore. Ku. Urvi Goyal was the captain of this team.

(iv) Ku. Garima Shkula was selected in the Volley-Ball team of Devi Ahilya Vishwavidyalaya [DAVV], Indore.

(v) Ku. Seema Verma and Ku. Garima Shukla were selected in SoftBall team of Devi Ahilya Vishwavidyalaya [DAVV], Indore.

(36) Activities of the Guidance and Counseling cell:

In the College there are Communication, Personality Development and Placement Cells. As per the need of the hour, a special paper has been introduced for the B.Sc. IIIrd semester students. The paper is essential for students to survive in a globally competent working environment. In this paper students are trained to prepare C.V. [Curriculum Vitae]: develop Presentation-Communication skills; learn proper body language etc. They are also trained for Group discussions and the proper approach for various kinds of Interviews.

Apart from class- room studies, the students are also groomed by eminent mentors of this field in the special grooming sessions which are organized from time to time.

(37) Placement Services provided to the Students:

For the campus recruitment and placement of students, top Multinational and Indian IT and Pharmaceutical Companies Came to the College. All the companies started with pre-placement presentation, followed by written tests, group discussions, Voice Test H.R. Technical and Personal interviews.

(38) Development Programs for Non- Teaching Staff:

Computer Training Programs were organized for Non-teaching staff members of the College.

(39) Best Practices of the institution:

(i) Regular publication of journal – Indian research communication (ISSN: 0973-9661) it is an Official publication of the research Promoting and communication society.

(ii) Two Vocational Courses have been started in the College for Biology Group Students:

S.No.	Subject Combinations
01	Botany, Zoology, Industrial Fish & Fisheries
02	Zoology, Botany, Seed Technology

After Completion of these courses, Students of rural areas are highly benefitted in their agricultural and Fish- Farming activities.

(iii) About 30 different Memorial Awards have been established and sponsored by the family members of professors and Non- teaching staff members of the college. Each award is having different criteria and amount. These awards are distributed in annual function by the invited chief dignitaries to the meritorious and outstanding students of the College in Various Fields.

(iv) Online admission facility has been made extended to the students.

(v) As the current trend of most of the competitive entrance examinations is of objective type and this Institution has also adopted the multiple-choice objective type internal assessment examination system (IAES) the presence of students in internal assessment examination is essential otherwise candidate loses his/ her eligibility for semester main theory and practical examinations, the weightage of marks for the internal assessment examination is 20 percent which is quite reasonable.

(vi) In this institution, in each semester examination, student has to pass in each paper rather than each subject and students work hard to achieve this feature.

(vii) In other colleges of this university, the required qualifying marks for the undergraduate (UG) Students are 33 percent, where as in our institution, the pass and division percentage is as follows-

(a) For Passing:

- 36 % Marks in theory papers separately and,
- 36 % Marks in theory + Internal Assessment in respective papers
- 36 % Marks in Practical separately and
- 36% Marks in Theory + Internal assessment + Practical in respective papers.

(b) For Division:

- 60% or more marks for First Division.
- 48 % or more marks but less than 60 % Second Division.

(viii) Final year students are sent to various laboratories / industries/ organizations to have the first hand practical working experience.

(ix) In addition to practical training in the real working environment, the post graduate (PG) students are also motivated to attend research oriented seminars/ Workshops etc.

(x) For PG students, Research Projects in association with prestigious research laboratories/ organizations/ institutions are mandatory.

(xi) All the students (both UG and PG) are imparted instructions in communication skills the positive result of which has been reflected in the affirmative response of the various prominent companies which have organized their recruitment/ placement drives in the campus.

(xii) College development fund (CDF) is established in the college for various developments in the college campus / building etc. every year department of examinations contributes 15 % amount of the total fees collection to the CDF and the income earned by the total fees collection to the CDF and the income earned by means of conducting other professional competitive examinations .

(xiii) Apart from college semester examinations (i.e. internal examinations) this institution conducts number of other prestigious competitive external examinations M.P. Board of Professional Examination deputed us as coordinator for almost all the entrance examinations. Other Examinations include IIT- JEE, state banks probationary Officer's (PO) Examinations ; staff selection commissions (SSC) Examinations ; Associate Membership examinations; examinations of State public service Commission; various entrance tests of state professional Board etc .

(40) Linkages developed with National / international, Academic/ Research Bodies

(i) Various faculty members are linked and associated with their research work with Devi Ahilya Vishwavidhyalaya (DAVV) and with other university and organizations such as Raja Ramanna Center for Advanced Technology (RRCAT), National Research Center for Soybean (NRCS), Inter University Consortium (IUC), University Teaching Departments (UTDS) Mahatma Gandhi Memorial Medical College (MGMMC), CHL- Apollo Hospital, Choithram Hospital and Research centre, pharmaceutical companies like Lupin, Palitico, Parental Drugs etc.

(ii) Certain faculty members are working as editors and members of editorial boards of various national research journals and magazines.

(41) Any other relevant information: Nil

Part- C: Detail plan of the institution for the Next Year:

- ❖ To start post- graduate (PG) course in pharmaceutical Chemistry.
- ❖ To start M. Phil. Course in botany, chemistry, computer science and physics.
- ❖ To start new certificate course "Religion and science".
- ❖ To start Dr. Deshpande Awards for exillence work in the field of chemistry.
- ❖ To celebrate year 2011 as "International Year of Chemistry".
- ❖ To organize one day national seminar by deptt. of physics.
- ❖ To organize workshops by deptt. of botany, biotechnology, biochemistry and pharmachemistry.

