

**Annual Quality Assurance Report (AQAR)
of Internal Quality Assurance Cell (IQAC)
for the Academic Year 2009-10**



**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.

- Lectures by invited scholars in different departments.
- Visit of UGC team and NAAC team.
- Workshop by Deptt. of Entrepreneurship development and swami vivekanand career and placement cell.
- Collaborative activities with other research institutes.
- Excursion tours for students.
- Renovation of playgrounds of college.
- Activate environment awareness programs.

Part-B:

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

Any educational institution should strive to develop an atmosphere of meaningful educational system in order to produce responsible human beings. The response of our students has been very positive by way of participation in group and face to face discussions. It is proposed to encourage this activity.

(2) New academics programs initiated:

A proposal has been sent to Directorate, higher education, government of Madhya Pradesh start of M.Phil course work in more subjects.

(3) Innovation in Curricular design and transaction:

On the basis of experience and feed back the curriculum has been suitably restructured.

(4) Inter-disciplinary programs started:

Vast vistas have been opened in inter-disciplinary research. Coherent approach has produced gainful results and a sense of fellowship has encouraged among the faculty members. Research papers have been published in reputed journals under individual as well as co-authorship.

(5) Examination reform implemented:

Under Autonomous scheme and the status of centre of excellence, the collage has already adopted the semester system. Despite the large number of students in the college and different subject combinations, department of examination 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 02.

(7) Initiative towards faculty development program:

There has been regular participation of the teaching staff in local as well as outside academic meets. Their involvement in discussions has been widely appreciated.

- Almost all the staff member actively participated in the Second Bhartiya Vigyan Sammelan organized by Vigyan Bharti at DAVV, Indore on 1st to 3rd Dec., 2009.
- PhD. awarded to Prof. Sunita Patel (Hardia) and Prof. Rajeev Dixit of deptt. of chemistry.
- Prof. Rachna Dubey of deptt. of chemistry submitted PhD. thesis.
- Prof. Namita Sisodiya awarded PhD. degree, from Rajeev Gandhi Technical University, Bhopal.
- Dr. B.K. Silawat, Prof. R.K. Ved and Dr. Rajeev Dixit of Deptt. of chemistry participated in symposium organized by regional test centre, DAVV, Indore (M.P.).
- Dr. Kishore Pawar delivered guest lecture on date, 24/12/2009, organized by state forest department and M.P. Biodiversity Board, Indore.
- Major (Prof.) Preeti chaturvedi selected as girls wings trainer for M.P. and Chhattisgarh, in Republic Day Parade, New Delhi, 2010.

(8) Total number of Seminars/ Workshops conducted: 01 workshop

- Workshop of seven days on “enterpreuaner employment oriented Training” organized by Deptt. of Entrepreneurship development and swami vivekanand and gauaindance cell, Govt. Holkar Science College, Indore. 19th March to 27th March, 2010.

(9) Research Projects:

Major project: 01(completed)

Minor project: 01 (in geology)

(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.
- Ranbaxy Pharmaceutical.
- Welcure Remedies, Indore.
- Chouksey Laboratories, Indore.
- Naveen Fluorine International Ltd. Dewas.
- Parental Drugs India Ltd, Indore.
- Pentagon Pvt. Ltd., Dewas.
- Anand Hospital and Research Centre, Indore.
- Choithram Hospital and Research Centre, 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 : 32

(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:

- Dr. Poonam Bhatnagar received best paper presentation award in international seminar on “Disaster Management” at Bali, Indonesia on Feb., 2010.
- Dr. Captain Sanjay Vyas, NCC officer, 2 M.P. Armed Squadron received honor from NCC, Indore group.
- Dr. M.M.P. Shrivastava, Deptt. of Biotechnology, edited 4 research journals and edited a Reference book entitled “ Environment and instrumentation “ Daya Publication, New Delhi(2009).
- Dr. Anupam Jain, Deptt. of Maths, received “Acharya Nemichand Award” from Kundkund, New Delhi on date 22nd April ,2010.
- Dr. Vivek Raich, Deptt. of Mathematics, attended International Conference , in Singapore, Organized by KIASSET.
- Dr. Netram Kaurav, Deptt of Physics, presented a paper in the 13th international conference on “fonon an condensed matter” held at National University, Taiwam
- Dr. (Mrs.) Sushma kurde, deptt. of zoology, received best academic record award by women empowerment comiettee, on women’s day.

(16) Internal Resources Generated:

The college has designed its own courses of study which are in tune with the demands of the times. Special training in computer science and pharmaceutical chemistry has produced encouraging results. Course in electronics has been proved to be very popular. 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 college has strived to establish a liaison between the campus community and the society at large. This has been done through NSS & NCC students. The NSS cadre has developed study groups in the weaker sections of the city. The NCC cadets organized short camps to inculcate discipline among the people.
- Some of the faculty members of the college are members of NGOS and are regularly extending community services through them.
- Active members of Red Cross Unit established “changer” group. They actively participated in blood donation.

(19) Teachers and officers newly recruited:

In the college 52 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: 1527
- Total Cost of Purchased Books : Rs.5, 57573.
- Journals Subscribed : 06
- Total Cost of Subscription : Rs. 12299.
- e- Journals Delnet : Rs. 7500.

(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. Through the assessment of the performance of teachers is rather a sensitive issue yet the results are encouraging. The principal along with the senior colleagues has successfully carried out the assessment process with the cooperation of the teaching staff.

(24) Unit Cost of education:

Rs. 18,250.00

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

- The entire administrative office has been computerized. The examination results are available on the website. And provisional mark sheets are also available on the website.
- Online admission facility has also been extended to the candidates.

(26) Increase in the infrastructural facilities:

- ◆ Renovation of the various playgrounds of College.
- ◆ Paving of internal roads and passages in the college campus.
- ◆ Development of Gardens and Landscapes in the college campus.

(27) Technology up- Gradation:

Teaching work in all the departments is supported by audio-visual aids.

(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.

(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 college enjoys the moral and material support of its alumni who are working both in India and abroad.

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

There is close rapport between college administration and parent-teacher bodies. Occasional meetings are also held to discuss relevant problems of employment and training.

(32) Health services:

The college takes care of the general health of the students. First-aid facilities are available and the services of a full - time medical officer are available and the services of a full – time medical officer are available.

(33) Performance in sports activities:

The college is proud of its achievements in the field of games and sports. The tradition of excellence in their fields continues to be maintained. Outstanding sports students get incentive by way of material support.

(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:

- Ku. Kratika Diwedi got in horse riding by defense minister Shri A.K. Antonni, on 21st Jan., 2010.
- Ku. Urvi Goyal was selected in Indian Hand ball team.
- Ku. Garima Shukla was selected in National Softball team.
- Ku. Amandeep kuar Sandhu, ku. Kalayani Solanki, and ku. Sangeeta Baricha of Indore NCC group selected for republic day parade, New Delhi.

(36) Activities of the Guidance and Counseling cell:

In the College there are Communication, Personality Development and Placement Cells. 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:

There has been a steady flow of national and international companies to recruit suitable candidates from the college students.

(38) Development Programs for Non- Teaching Staff:

The non- teaching staff is satisfactorily looked after. The principle takes special care to obtain their problems and to take remedial steps.

(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) 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.

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

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

(v) 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.

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

(vii) 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.

(viii) 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 .

(ix) 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 organize national seminar by Department of Physics.
- ❖ To organize workshop on “improving skills in pharmaceutical practices” by Deptt. of Pharmachemistry.
- ❖ To organize workshop on “Immunological Experiments” by Deptt. of Biotechnology and Biochemistry.
- ❖ To organize workshop on “Reliability and Maintainability” by Deptt. of Statistics.
- ❖ To organize workshop on “Biodiversity Awareness with special reference to regional flora and fauna” by Deptt. of Environment and Botany.

