

**UDAI PRATAP AUTONOMOUS COLLEGE
VARANASI-221 002**



**ANNUAL QUALITY ASSURANCE REPORT
2012-2013**

Prepared by:

Internal Quality Assurance Cell,

Uday Pratap Autonomous College Varanasi 221002

Website: www.upcollege.org



उदय प्रताप स्वायत्तशासी कालेज, वाराणसी

नैक (यू.जी.सी.) द्वारा B⁺⁺ ग्रेड प्राप्त शिक्षण संस्था

Udai Pratap Autonomous College, Varanasi

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Ref.: 324 A/IQAC/2012-13

Date: 29⁰⁷/~~04~~.2013

To,

The Director,
National Assessment and Accreditation Council,
PO Box No.- 1075,
Bagarbhavi, Bangalore-560072

Subject: Submission of Annual Quality Assurance Report of IQAC-2012-13.


Sir,

I am submitting the Annual Quality Assurance Report of IQAC, Udai Pratap College, Varanasi for the year 2012-13 for your kind perusal.

This may kindly be acknowledged.

Sincerely Yours,

Encl.: As above.


Dr. (Ashok Kumar Singh)
Principal

Name of the Institution: Udai Pratap (Autonomous) College, Varanasi

Year of Report: 2012-13

PART-A

The Plan of Action chalked out by the IQAC in the Beginning of the Year towards Quality enhancement:

1. To organize popular talks in each subject.
2. To organize State Level/National Level Seminars.
3. To strengthen Science labs with the necessary infrastructure.
4. To Strengthen of the library.
5. To organize Power Point presentation competition for PG Students.
6. To continue the compulsory 75% attendance for appearing in the examination.
7. To continue the Career Counseling programme and conducting campus interview.
8. Computerization of administrative Office and Finance office of the college.
9. To improve the infrastructure and amenities of the college.
10. Procuring modern instruments for Science Departments.
11. Organizing departmental seminars for P.G. students regularly.
12. To organize hands on training programme for Students in Science Departments.
13. To appoint an Electronic Data Processing (EDP) Manager in the College.

Annual review of the outcome:

1. Popular talks have been organized in almost all P.G. Departments.
2. One International Workshop has been organized by Physics Department.
3. Four Major research projects have been sanctioned to the Teachers of the College.
4. Science labs have been Strengthen by procuring equipments form UGC Grants and college lab grant.
5. Books /journals of about 8.10 lakhs have been purchased.

6. Three Career Oriented Courses (COC), Information and Computer Technology, Bio Technology and Insurance have been started.
7. Power Point presentation competition for PG Students has been organized.
8. In the session 2011-12, a new computer laboratory with capacity of 10 Computers has been constructed in Education Department.
9. Construction of UGC approved Three lecture room in the second floor of New Arts Building and Girls Hostel is in progress.
10. Construction of a Girls Hostel with the Financial support of Vidhayak Nidhi is in Progress.
11. 75% attendance of students for appearing in examination is strictly followed and about 120 students have not been allowed to appear in the examination due to shortage of attendance.
12. Organizations/industries, to name a few IBM Daksha, Dayal Fertilizers Pvt.Ltd., Indo-Gulf, Matril laboratories, and IDBI Bank hold campus interviews for students of Commerce, Science, and Agriculture during 2011- 2012. About 60 students were able to get placed in such organizations/industries.
13. Remedial coaching, NET/SET coaching and Coaching classes for entry in services for ST/SC/OBC/Minority students are working with the financial support of UGC.
14. ROs have been installed in four Departments Namely, Physics, Chemistry, Zoology and Botany.

PART-B

1. Activities reflecting the goals and objectives of the institution:

To attain the academic excellence in the field of education is the vision of the college.

The Goals and objectives of the college are:

- Thrust on academic excellence.
- Computerization of Library, Admission, Accounts and Examination Section of the college.

- Provision of better library facilities to the students by the purchase of latest edition books and quality journals.
- Generating the opportunity of gainful employment through placement drive organized by the Career, Counselling and placement cell.
- Encouraging the teachers to carry out Major and Minor Projects.

For these objectives the college has undertaken following steps:

- Admissions are strictly on the basis of merit.
- There has been maintenance of perfect discipline inside the campus which enables the teachers to engage their classes and syllabi are being covered within the stipulated time frame and as per lesson plan.
- Minimum 180 teaching days are followed.
- The students of PG courses undergo field work/project to appraise themselves with the direct application of their knowledge/skills to real life problems.
- 75% attendance of students for appearing in examination is strictly followed.
- Remedial Coaching, Coaching for NET/SLET and service Entry classes for SC/ST/ OBC, Physically Handicapped students are arranged.
- Conducting Examination as per the schedule of the Academic Calendar and inconformity with the rules of autonomous examination.
- Confidentiality of examination is maintained from the time after approval of the examiners till the declaration of result.(Coding of answer books and decoding of award list).
- The faculty is encouraged to submit new research proposals by providing logistic support for research projects with regard to sending project proposals and travel to the venue of the funding agencies.
- Organizing Community Services through NSS, NCC and Rovers and Rangers.
- Providing excellent indoor and outdoor sports facilities, ground, materials and Gymnasium.

2. New academic programmes initiated (UG and PG)

Career Oriented Courses (COC) in Information and Computer Technology, Bio-Technology and Insurance has been started with 60 students in each course. College is in process to introduce Computer Science and Bio-technology as a subject at UG level.

3. Innovations in curricular design and transaction

College has accepted uniform syllabus of the Uttar Pradesh State Universities in principle, which will be active after the approval of BoS and Academic Council. The syllabus caters to academic excellence of students as well as generating Global competencies among the students for creating the scope of employability on the part of meritorious students.

4. Inter-disciplinary programmes started

Introduction of Computer Science and Bio-technology as a subject at UG level is under process and will be started after the permission of the university.

5. Examination reforms implemented

The college is affiliated to Mahatma Gandhi Kashi Vidyapith University Varanasi. College has implemented new rules of passing marks and improvement examination in the direction given by affiliating university. The college conducts the examination as per the academic regulation framed by the Academic council duly approved by the Governing Body.

6. Candidates qualified: NET/SLET/GATE etc.

Almost all the PG students appear in UGC/CSIR (NET), SLET examination.

7. Initiative towards faculty development programme

The college authority encourages the faculty members to take part in Refresher/Orientation Courses, Summer/Winter Schools and such other programmes. The faculty is also motivated to participate in National and International seminars and workshops. The faculty is encouraged to submit new research proposals by providing logistic support for research projects with regard to sending project proposals and travel to the venue of the funding agencies.

In 2012-13, **ten** faculty members participated in Refresher/Orientation Course, about **75** faculty members participated in Seminars/ Conferences/ workshops, **two** faculty members were sanctioned Major Research Project by UGC.

8. Total number of seminars/workshops conducted:

Three National seminars have been organized:

Sr. No.	Organizing Department	Topic of the Seminar/Workshop	Date
1.	Education		
2.	Chemistry	Advances in Chemical Sciences	8 Sept. 2012
3.	Hindi	भारतीयता की अवधारणा और डॉ० राम विलास शर्मा	11,12 Sept. 2012

9. Research projects

a) Ongoing Research Projects:

Sl. No.	Name	Deptt.	Title	Amount (₹)	Funding Agency	Duration
1.	Dr. N. P. Singh	Physics	Spectra and vibrational study of some vitamins	7,39,800 ✓	UGC	2011-14
2.	Dr. D. K. Singh	Physics	Nonlinear Interaction of Light: Study in Isotropic Kerr Medium	2,00,000 ✓	UGC	2011-13
3.	Dr. N. P. Singh	Chemistry	Synthesis of macro to nano size dicalcium silicate and their hydration in presence of different chemical and mineral additives.	7,70,000 ✓	UGC	2010-13
4.	Dr. S. Singh	Chemistry	Biochemistry of organometallic complexes of some main group elements.	16,68,000 ✓	DST	2010-13
5.	Dr. S. Dubey	Zoology	Effects of pentachlorophenol (PCP) on the reproductive status of catfish heteropneustes fossilis	9,51,800 ✓	UGC	2011-14
6.	Dr. P. K. Singh	Botany	Improvement in salinity tolerance in Maize in response to cinnamic acid	8,31,300 ✓	UGC	2010-13
7.	Dr. P. K. Singh	Botany	Study on threatened ethnomedicinal plants in Chandauli, Sonbhadra and mirzapur district of Eastern	4,08,000 ✓	UP CST	2011-13

			Uttar Pradesh			
8.	Dr. N. Dwivedi	Botany	Comparative study on effect of synthetic and botanical pesticides on physiology and biochemistry of cyanobacteria	5,65,800	UGC	2011-14
9.	Dr. O. P. Singh	Statistics	Publication Projection Using MCMC Technique in the Bayesian Inference	8,70,000	ICMR	2010-13
10.	Dr. S. K. Singh	Ag.Botany	Improvement of aromatic rice through induced mutagenesis	5,81,800	UGC	2011-14
11.	Dr. S. K. Rai	Sociology	Kabirpant: Parampara aur Parivartan	1,45,000	UGC	2011-13
			Total:	77,31,500		

b) Completed Resaerch projects (during 2012-13)

Sl. No.	Name	Deptt.	Title	Amount (₹)	Funding Agency	Duration
1.	Dr. V. B. Singh	Physics	Confermational landscapes, Spectroscopy and dynamics of some bio-molecules and their hydrated clusters	14,39,400	DST	2009-12
2.	Dr. R. Kumar	Physics	Non classical features of optical fields and their application	1,05,000	UGC	2010-12
3.	Dr. R.S. Raghuvanshi	Chemistry	Microwave-Superoxide mediated organic synthesis	1,40,000	UGC	2010-12
4.	Dr. A. Gupta	Chemistry	Theoretical investigation of conversion of monosulfiram into disulfiram	90,000	UGC	2010-12

10. Patents generated, if any:

Nil

11. New collaborative research programmes:

Nil

12. Research grants received from various agencies (During 2012-13)

Sl. No.	Name	Deptt.	Title	Amount (₹)	Funding Agency	Duration
1	Dr. Ramesh Singh	Zoology	Melatonin, Corticosteroids and cellmediated non specific immune responses in the garden lizard	10,10,300	UGC	2012-15
2	Dr. Pankaj Kumar	Botany	Impact assessment of pollution generated in Varanasi city on river Varuna -A tributary of river Ganga	10,10,300	UGC	2012-15
3	Dr. Vipin Bahadur Singh	Physics	Conformational propeties, spectroscopy and photochemistry of the isolated neurotransmitters in the biological environment	10,68,800-	UGC	2012-15
4	Dr. Pragya Parmita	Agriculture Botany	Studies on heterosis breeding and fertility restoration of elite indica tropical japonica derivatives for WA based indica CMS lines in rice	9,52,300	UGC	2012-15

13. Details of research scholars

Currently **88** research Scholars are enrolled in Mahatma Gandhi Kashi Vidyapeeth,

Varanasi. Details are as follows:

Sl.No.	Department	No. of Ph.D. Student Currently registered
1.	Hindi	7
2.	Economics	Nil
3.	Geography	6
4.	Physics	5
5.	Chemistry	6
6.	Zoology	6

7.	Botany	23
8.	Statistics	5
9.	Agriculture Economics	4
10.	Horticulture	2
11.	A.H. & Dairying	6
12.	Commerce	18
	Total	88

14. Citation index of faculty members and impact factor:

Faculty members have published more than 40 research papers in National and international refereed journal.

15. Honors/Awards to the faculty: National and International: Nil

16. Internal resources generated

During 2011-12, total amount of internal resources generated in the college was ₹4,98,82,068.

17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/ DST, FIST, and other programmes:

1. College has been selected for DST-FIST Programme.

18. Community services

The College contributes to local community through the extension activities like:

a) NSS:-

Our NSS units have organized Village Camps in surrounding villages and to make aware of Cleanliness, Environmental Pollution, Tree Plantation, Hygienic Water and Food, Prevention of Communicable Diseases, Prevention of Child Labour, etc.

b) NCC:-

Along with the celebrations of the birth and death anniversaries of national figures, conducting rallies to create AIDS, illiteracy awarenesses. 'Polio Eradication Rally' was organized. Our NCC cadets have rendered their services in maintaining peace and discipline.

c) Demonstration, Trainings and Awareness Visits:

In "Rural Agricultural Work Experience (RAWEX)" programme experts Demonstrate, Train and Aware the farmers about farming, housing, health and sanitation.

19. Teachers and officers newly recruited

Being a Grant-in-aid college the permanent faculty members are selected as per state government norms through Uttar Pradesh Higher Education Service Commission. Part-time teachers are recruited on ad-hoc basis through Selection Committee constituted by the College Management. In 2012-13, college management has recruited 49 part-time lectures.

20. Teaching – Non-teaching staff ratio

The ratio of teaching and non teaching staff is 1:2.

21. Improvements in the library services:

- Books and Journals of about 2306116/-Lakhs have been purchased.
- Online access to 2200 e-journals & e-books 55000 has been provided under INFLIBNET N-List facility.
- LAN using SOFT GRANTH Software has been procured for automating the library.

22. New books/journals subscribed and their value (2012-13)

1. No. of Books Purchased: 7256 Total Cost: 230116.00
2. No. of Journals purchased: 28 Total Cost: 83525.00

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

The feedback from the students is obtained randomly. Feed back is analyzed with the help of IQAC. The outcome of the analysis is intimated to the concerned faculty to understand their strength and weaknesses leading to improvement in their performance.

24. Feedback from stakeholders

Alumni Association of the college holds a pivotal role in the stake holder relationship. Alumni of the college placed in better off position when placed in Governing Body /

Academic Council/ Alumni Association, they are self-motivated to be involved in developmental planning of the college. The encroachment problem created by the local residents has been dispensed with the help of Alumni Association.

25. Unit cost of education

- (a) Total annual expenditure divided by the number of students
(Including the salary component) 1509032.06
- (b) Total annual expenditure divided by the number of students
(Excluding the salary component) 1298500.06

26. Computerization of administration and the process of admissions and examination results, issue of certificates

The admission, accounts and examination sections are computerized. The automation of college is under process.

27. Increase in the infrastructural facilities

During 2012-13, following infrastructural facilities has been increased

1. A new computer lab has been installed for Education faculty.
2. Construction of Girls Hostels from UGC Grant and Vidhayak Nidhi are in progress.
3. Three Classrooms from UGC Grant and One from Development grants at the Second floor of New Art Building have been almost completed.
4. One Room for Career Counseling and Placement Cell and two Staff room from UGC Grants have been constructed at the second floor of Bio-Building.
5. A research lab has been renovated in Chemistry Department.

Following grants have been sanctioned in 2012-13 for increasing infrastructural facilities

1. 27 lakhs for Career Oriented Courses.
2. 100 lakhs "DST-FIST" Grant
3. 30 Lakhs under CPE Grant to PG Science Department under BSR Scheme
4. 25 Lakhs additional Development Grant

28. Technology upgradation

The task of college automation is in progress. Most of the Departments have LCD projector for PG Teaching.

29. Computer and internet access and training to teachers, non-teaching staff and students

In the college there are about 250 computers for the use of faculty members, students and non-teaching staff. Almost all the departments have Computer with internet facility for faculty members and research scholars. The College has computer centre with 20 computer system with internet facility. The UGC-NRC is also available free of cost to faculty & Research Scholars and PG students for access. In Education faculty a new computer lab has been established.

30. Financial aid to students

The financial aids available to the students from different heads are as follow :-

Scholarships	Year (2012-2013)	
	Number	Amount (₹)
Mandi Parishad Scholarship	25	1152000
State Govt. SC/ST Scholarship	108	1060699
State Govt. OBC Scholarship	465	2342643
State Govt. Gen Scholarship	422	2062591
Poor Boys' Fund	20	19000
Free ship	05	605
Poor Boys (Commerce, Brij Narayan Singh)	02	5,000

31. Activities and support from the Alumni Association

College Alumni Association works under the name "*Old Boys' Association*"

- It has been part and parcel of the institution.
- It has been helping the institution in generating funds from time to time whenever request is made to this effect.
- The feedback from *Old Boys' Association* is also taken into account for improvement of infrastructure and learning resources, and thereby betterment of the institution as a whole.

- It provides financial aid to meritorious and poor students in the form of scholarships.

32. Activities and support from the Parent-Teacher Association

Stakeholder relationship can be strengthened by the formation of PTA through which genuine problems of the students can be focused. Problems of the students can be resolved through interaction between parents and Teachers and consequently conducive academic atmosphere can be maintained inside the college campus. Hence initiatives have been taken for the formation of PTA in the IQAC meeting and Bye-laws has been finalized.

33. Health services

The College has 10 bed hospital with a resident Doctor and nursing staff who monitor and provide health services to students as well as staff of the college.

34. Performance in sports activities

- Kamini Singh, Priyanka Singh, Priyam Singh and Divya Singh Have participated in Inter University Net Ball Team of Mahatma Ganghi Kashi Vidyapeeth (MGKVP) Varanasi.
- Football (Women) team has won intercollegiate competition. Sandhya Chauhan and Mona Verma have been selected in MGKVP Football Team.
- Sangeeta devi has been selected in Kho-Kho and Kabaddi Team of MGKVP, Varanasi.
- Ankit Singh, Rupesh Kumar Singh, Anand Kumar Singh and Amitesh Kumar have been selected in Kho-Kho (Men) team of MGKVP, Varanasi Team for Inter University Competition.
- In Basket Ball Team of MGKVP, Varanasi Anshuman Singh, Sanand Kumar Chaubey (Men) and Divya Singh Singh, Priya Singh, Aprajita Singh, Kamini Singh, Priyanka Singh I, Priyanka Singh II (Women) have been selected for Inter University Competition.
- In Badminton Vimal Kumar Singh and Namrata Singh Have been selected in MGKVP, Varanasi Team.

- In Athletics Sudhir Kumar Singh, Nitesh Upadhyay and Shikha Singh have been selected in MGKVP, Varanasi Team for Inter University Competition.
- Table Tennis team of the College has runner of intercollegiate competition and Prateek Kumar Singh has been selected in MGKVP team for Inter University Competition.

35. Incentives to outstanding sportspersons

The students who are proficient in sports are given the following Incentives:

- 1000/- to All India Inter-University player
- 500/- to East Zone Inter-University player
- 250/- as consolation to talented promising players who failed to get selection in University team.
- 150/- DA and conveyance charge during sport meets.
- 15/- per day for 10-15 days camp before inter-collegiate meets.
- Free sport kits after selection in college team.
- The students (New or Old) who are selected in International Team are felicitated by the College and Track Suit is provided.
- The College awards certificates, gold medals, shields, etc. to deserving sports persons to motivate them to achieve excellence in their pursuit of sports.
- In addition, students who are outstanding in sports and participate in University, State, and National level meets are given incentives in the form of weightage during admission to higher classes.
- Free ship is given to the students proficient in sports.

36. Student achievements and awards

During the academic session 2012-13 a number of students got achievement and awards in different fields. The college organizes cultural programmes to nurture and update the students' talents and cult of mind. It celebrates foundation week each year from 19th to 25th Nov. However, cultural and sports activities are run throughout the month of Nov. culminating into the final annual function on 25th Nov. During this month-long celebrations, students actively participate in a variety of programmes, viz debate, dance, drama, folk song, subhashit etc. These programmes are organized in

the form of competition between students of different hostels as well as between hostel students and day students. Experts in field the above mentioned events are invited and prizes are given to the participants giving excellent performances. Winning teams are given college shield for their overall performance in the cultural activities.

37. Activities of the Guidance and Counselling unit

The Career, Counselling and placement cell conducted counseling programmes at regular interval to let the students know about the placement opportunities and higher studies. Resource persons from Skill India and IILM Academy, Lucknow, and Prof. G.P. Thakur counselled students regarding jobs in Multinational, time management, goal setting and career planning during 2012-13.

38. Placement services provided to students

The College has established "Career, Counselling and Placement Cell" that caters to the placement need of the students. Organizations/industries, to name a few IBM Daksha, Dayal Fertilizers Pvt.Ltd., Indo-Gulf, Matril laboratories, and IDBI Bank hold campus interviews for students of Commerce, Science, and Agriculture during 2012-2013. About 60 students were able to get placed in such organizations/industries.

39. Development programmes for non-teaching staff

Members of the non-teaching staff have been encouraged to acquire Computer literacy at the college Computer Centre. Besides they are imparted Computer training.

40. Good practices of the institution

- Admissions are strictly on the basis of Entrance test merit.
- Eco-friendly atmosphere persist within the college premises for Conducive Academic atmosphere.
- Minimum 180 teaching days are followed.
- Use of modern teaching aid like LCD Projector, OHP, and Computer, Audio System by most of the faculty members.
- The students of PG courses undergo field work/project to appraise themselves with the direct application of their knowledge/skills to real life problems.

- 75% attendance of students for appearing in examination is strictly followed.
- Remedial Coaching, Coaching for NET/SLET and service Entry classes for SC/ ST/ OBC, Physically Handicapped students are arranged.
- 50% of courses / papers are being evaluated internally and remaining 50% papers are being evaluated externally by the subject experts of other institutions.
- Conducting Examination as per the schedule of the Academic Calendar and inconformity with the rules of autonomous examination.
- Confidentiality of examination is maintained from the time after approval of the examiners till the declaration of result. (Coding of answer books and decoding of award list).
- College provides duty leave and financial support to faculties for travel grants, incidental expenses and registration fee for participating in seminars and conferences.
- The faculty is encouraged to submit new research proposals by providing logistic support for research projects with regard to sending project proposals and travel to the venue of the funding agencies.
- Organizing Community Services through NSS, NCC and Rovers and Rangers.
- Excellent indoor and outdoor sports facilities, ground, materials and Gymnasium.
- The Sport Authority of India (SAI) has recognized the college as the centre for sports activities. SAI coaches are appointed for training in athletics, football, hockey and basket ball. The expertise coaching by SAI in specialized games and sports also help the students in enhancing their sports skills.

41. Linkages developed with National/ International, academic/research bodies

The faculty has established linkages with leading National Institutes and Laboratories like BHU, N D University, IIVR, NBRI, CDRI, ZSI, BSI,ITRC, ICMR etc for research activities. These linkages are for research activities, usage of infrastructure and expertise, training and evaluation. Our institution has benefited from the.

PART-C

Plans of the Institution for the next year (for the year 2013-14)

1. To organize popular talks in each subject.
2. To organize National Seminars in Education, Physics, Chemistry, Zoology, and Hindi Departments.
3. To organize Power Point presentation competition for PG Students.
4. To organize a workshop on research Methodology and presentation for research scholars.
5. To Start Career Oriented Courses in agriculture and Art Faculties.
6. Strengthening the number of books in the library and its complete computerization.
7. Strengthening of Science labs with the necessary infrastructure from FIST Grant.
8. Formation of Parents' Teachers' Association.
9. Formation of Alumni Association.
10. Co-operation of alumni association in the development activities of the college.
11. Improvement of college website to make it more useful in administrative matters.
12. Construction of new Computer Centre for Agriculture and Commerce Faculty.
13. To enhance the use of ICT in teaching/ learning process.
14. Installation of RO for providing safe drinking water to students and teachers.
15. To apply for DBT Star College Scheme.
16. Construction of well equipped Seminar Hall.
17. Extension of Library Building.
18. Career Counseling programme and conducting campus interview for the students.
19. To continue remedial coaching for ST/SC/OBC students.
20. To continue coaching for NET/SET for ST/SC/OBC students.
21. To continue coaching classes for entry in services for ST/SC/OBC/Minority students.
22. To start Coaching for ARS for SC/ST/OBC/ economically weak students.



Dr. (Devendra Kumar Singh)
Coordinator, IQAC



Dr. (Ashok Kumar Singh)
Chairperson, IQAC