

The Annual Quality Assurance Report (AQAR) of the IQAC For the Year 2010-11

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P.C. Jabin Science College,
Vidyanagar, Hubli – 31

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Part – A

IQAC chalks out the plans in the beginning of the year

Plan to

1. take up Major/Minor research projects.
2. take up awareness programmes on biodiversity.
3. organize National/International/Seminars/workshops.
4. start certificate courses.
5. start PG course in Chemistry from the academic year 2010-11.
6. procure major equipments for strengthening research activities.
7. arrange industrial visits/field survey.
8. arrange guest lecture.
9. motivate the students to participate in extra-curricular activities & co- curricular activities.
10. enhance the infrastructure.
11. procure new books/journal etc.
12. arrange a faculty development programmes.
13. take up green shade home.
14. grow and maintain of medicinal plants.
15. encourage the faculty members to participate/ to present paper at National level seminar / workshop.
16. publish research papers/books.
17. invite reputed companies for the placement.
18. arrange a development programmes for non-teaching staff.
19. have linkages with research bodies located outside Hubli city.
20. conduct surveys on importance of use of English.
21. introduce Diploma courses in communicative English.
22. start certificate course in “Kannada Kali” to the Non-Kannadigas.
23. install Hostel Management Software in both the hostels.
24. introduce Diploma in Translation course.
25. study of optical properties of laser using Fiber-Optic and Opto-electronic system.
26. install smart board in class room.
27. take up projects using digital Communication kits.
28. make preparations for the Reaccreditation process.

Part - B

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

- a) The syllabii for B.Sc & BCA I & II Semester are revised which are need based and got approved in the Academic Council.
- b) The institution works in accordance with the strategic plan of the college functioning as a centre of learning.
- c) New recent titles of books and CDs were added to the library.
- d) Field projects were assigned to the students to enhance their practical skills.
- e) Extension lectures were arranged to update the recent developments in their respective fields.
- f) Open access system in the Library is introduced.
- g) Science exhibition was organized on 5th March 2011.
- h) Presentation of seminars is an inbuilt component of the curriculum in the process of learning.
- i) Remedial classes were conducted for the improvement of students.
- j) Interactive sessions were organized to share the knowledge among the students.
- k) Teaching and lesson plan were displayed on the notice board in the beginning of the semesters.
- l) Faculty were deputed to participate and present papers in seminars / workshops /conferences.
- m) The training programmes for students in skill development were organized to enhance the skill development of the students.
- n) Language laboratory of the college regularly organizes language enhancement programmes.
- o) Training programmes was organized to enhance the campus requirements.
- p) Faculty are deputed to orientation /refresher /M.Phil /Ph.D programmes for their academic improvements.
- q) Counseling of the students at the time of admission is made.
- r) Induction programmes for freshers was arranged in the beginning of the academic year.
- s) The facilities available at the college include internet facilities, mentor system, peer tutoring, field projects, lending of library books, use of advance equipments, regular use of ICT teaching aids.

- t) Organized Health and hygiene programmes for girl students and women faculty.
- u) Counseling for lady students by lady counselors.
- v) The activities conducted at the college were properly planned, designed implemented and monitored by IQAC of the college to achieve excellence.

2. New academic programmes initiated (UG and PG):

PG Programme in Chemistry is started.

3. Innovations in curricular design and transaction:

- a) All the departments have revised the syllabii for B.Sc/BCA I and II Semester and PG I & II Semesters and got approved in academic council.
- b) The innovative teaching methods coupled with ICT based teaching which are employed to teach more effectively.
- c) Reading materials and question bank in all subjects are compiled and kept in the library for ready reference.

4. Inter-disciplinary programmes started:

The following departments of the institution are engaged in inter disciplinary teaching.

- a) Teaching of Bio-Statistics by faculty of Statistics.
- b) Teaching of Bio-Physics by faculty of Physics.
- c) Faculties of life sciences are involved in teaching Bio-Technology.
- d) The faculties of Electronics are engaged in teaching E & E for BCA students.

5. Examination reforms implemented:

- a) External Squad constituted for autonomous examinations.
- b) Double external valuation of answer scripts for PG course.
- c) Issue of Photocopy of answerscripts
- d) Appointment of sitting squad members
- e) Provision for Re-totaling
- f) Three sets of question papers are set by internal and external examiners
- g) The examiners are selected at random from the panel of examiners

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

-Nil-

7. Initiative towards faculty development programme:

- a) Two days workshop on “Effective teaching learning experience through innovative methodologies” held on 3rd and 4th July 2010. Resource persons from Loratis School, Bangalore invited.

- b) Three days workshop on “Creative teaching methodologies” held on 18th to 20th November 2010. Resource persons from Buoyancee School Bangalore invited.
- c) One day workshop on “Empowering question paper setters” held on 3rd Oct. 2010 Dr. Shrikanthswamy of Crist College, Bangalore invited as resource person.
- d) UGC Sponsored Two days National seminar on “Higher Education in the New millennium- Issues and challenges” held on 18th and 19th Feb. 2011.
- e) Three days workshop in Biotechnology sponsored by VGST on 22nd to 24th Feb 2011 were conducted.

8. Total number of seminars / workshops conducted: 2 / 3

9. Research projects

a) Newly implemented : -7-

b) Completed : - Nil-

10. Patents generated, if any:

- Nil-

11. New collaborative research programmes:

-Nil-

12. Research grants received from various agencies:

- Minor Research Projects : 07 Amount : 10.79 lakhs
- VGST student Research Projects : 02 Amount : 60,000/-

13. Details of research scholars:

Shri. N.M. Mahabaleshwariah Department of Chemistry and Shri. M.S. Yaragop Department of Physics has deputed to Karnatak University, Dharwad to pursue their Ph.D under FIP on 26/11/2010.

14. Citation index of faculty members and impact factor:

S.no.	Faculty Name	Journal	Impact factor
1.	Dr. Satish M.P.	1. European Journal of Medicinal Chemistry, 45 (2010) 106	3.269
		2. Journal of Inclusion Phenomena and macro cyclic chemistry, 2010, 66 (3-4), 327-333	1.165
		3. Spectroscopy letters, 43, 2010, 235	0.762
		4. Journal of Coordination chemistry, 63(8), 2010, 1451	0.825

		5. European Journal of Medicinal Chemistry, 45, 2010, 455 6. Journal of Coordination chemistry, 63(12), 2010, 2172	3.269 0.825
2.	Dr. Praveen N. Naik	1. International journal of chemical kinetics 42, 336-346(2010) 2. Journal of solution chemistry, 39, 1291-1310 (2010) 3. Ind.Eng.Chem.Res.49 (20), pp 9666-9672 (2010) 4. Biopharmaaceutics and drug disposition 31, 120-128 (2010) 5. Journal of Photochemistry and photobiology B: Biology 100, 147-159 (2010)	1.619 1.342 1.749 1.246 2.114
3.	Dr. M.T. Hosamani	1. Journal-Physics and Chemistry of Liquids (Accepted) 2. Journal - Thermal Analysis and Calorimetry (Accepted)	1.278 0.716
4.	Dr. C.S. Hiremath	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 77(2010) 918-926	1.566
5.	Shri. A. B. Sonappa navar.	1. Deccan J. Natural Products 1(2): 43-50, April-June 2010 2. World Journal of Agricultural Sciences 7(1):55-61, 2011 3. International Journal of Research in Ayurveda and Pharmacy 2011, 2(1) 198-203	
6.	Dr. S. V. Hiremath	1. Asian Pacific Journal of Cancer Prevention, Vol. 12, 2011(accepted) 2. Asian Pacific Journal of Cancer Prevention, Vol. 12, 2011(accepted)	1.9 1.9

Citation Index :

- Dr. M.T. Hosamani - 0.5
- Dr. C.S. Hiremath - 2.2

15. Honors / Awards to the faculty:

-Nil-

16. Internal resources generated:

-Nil-

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

Assistance/Recognition:

-Nil-

18. Community services:

NSS Activities

- Arranged Vanamahotsava on 15.08.2010
- Arranged Sadbhavana Day Fledge on 20.08.2010
- Visit to common wealth Express at Railway Station, Hubli on 05.09.2010
- Shri. Shashank P and Shri. Mahantesh K, participated in RD selection camp at Bangalore from 05.09.2010 to 11.09.2010
- NSS special camp held at Budarsingi from 05.01.2011 to 11.01.2011
- Pulse polio rally was held at Sainagar on 27.03.2011
- NSS leadership camp was held at Karnatak University Dharwad from 05.03.2011 to 11.03.2011 and Shri Nikhil G and Miss. Chetana P attended the camp.
- Cleaning of monumental of Chandramouleshwar temple, Unkal were undertaken on 06.03.2011.

NCC Activities

- Arranged Blood donation camp
- Participated in Pulse polio camp
- Awareness camps on HIV / AIDS were conducted.
- Attended NCC camps
- Cadets participated in B and C certificate programs

19. Teacher and officers newly recruited: -Nil-

20. Teaching – Non-teaching staff ratio: 87 : 41

21. Improvements in the library services:

The Library services as a backbone to all the academic activities and heart of the educational institutions. The primary purpose of a support the teaching, research and other academic programmes of its parent organization. Now a days libraries are called as centre of knowledge and information the following are the improvement in the library services.

- The college has promoted and encouraged research activities by providing facilities like computer systems, on-line Journals and Internet connectivity, INFLIBNET, J-Gate and CD's AV Resources which are available at Digital Library.
- The Library has separate open access reference section periodical section with back volumes and current journals.
- Automation : All the services and activities are computerized for effective service to the readers. Barcode facility is also provided for efficient working of the system in the library.
- OPAC : (On-line Public Access Catalogue) search is provided to access all the information regarding the resources of the library.
- All the books are catalogued using computer programming. The library has Xeroxing and computer printing facilities.

22. New books/journals subscribed and their cost:

- | | | |
|------------------------------|---|----------------|
| a) Books purchased | : | 1389 |
| b) Amount spent on the books | : | Rs. 3,53,166/- |
| c) Journals | : | 05 |
| d) Amount spent on Journals | : | Rs. 11,400/- |

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

Feedbacks of the teachers by the students are taken and corrective measures are initiated.

24. Unit cost of education:

With salary : Rs. 35,770/-

Without Salary : Rs. 6,059/-

25. Computerization of administration and the process of admissions and Examination results, issue of certificates:

- a) list of the students the courses applied for
- b) List of selected students for the course.
- c) Arrangement of students alphabetically and subject combination wise.

- d) Compilation of Rules and regulations of the college, the Management and the Government.
- e) Functional guidelines of process teams.
- f) Data base entry of Books and Journals in the Library.
- g) Maintenance of accounts by Tally programmes.
- h) List of students appearing for the examinations.
- i) Computerization of the examination process.
- j) Analysis of results.

26. Increase in the infrastructural facilities:

Classroom newly constructed	-	02
Laboratories newly constructed	-	04
Ladies Room	-	01
HOD room (Chemistry)	-	01
Staff room	-	01

27. Technology up gradation:

- a) Installed smart boards in 4 lecture halls.
- b) VHDL simulation
- c) N-computing device
- d) Simulation kit for electronics (BCA department)

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

- a) Higher computer literacy among the staff and students.
- b) Common internet facility to staff and students in the library and in the ladies room.
- c) Separate internet facility to all the departments.

29. Financial aid to students:

<u>Sl.No.</u>	<u>Name of the Scholarship</u>	<u>No. of Students got Benefit.</u>	<u>Amount Paid.</u>
a)	Sir. C. V. Ramman	17	Rs. 85,000/-
b)	Smt. Sanchihonamma	09	Rs. 18,000/-
c)	Others	05	Rs. 25,000/-
d)	Student Aid – Fund	38	Rs. 10,245/-
e)	Student Welfare fund.	24	Rs. 6,155/-
f)	Endowment	08	Rs. 6,334/-
g)	State Post Metric	29	Rs. 73,110/-
h)	Stipend (UGC)	11	Rs. 66,000/-
i)	BC Scholarship (SC/ST)	11	Rs. 31,757/-

Total :- Rs. 3,21,601/-

30. Support from the Alumni Association and its Activities:

- a) Alumni association has given cash prize of Rs. 22,500/- to the outstanding Students.
- b) A guest lecture by Dr. Vinod Kulkarni, a renowned psychiatrist spoke on **Stress and its management** was arranged on 3rd Nov 2010,
- c) On 8th May 2011 General Body meeting and Alumni Association day was celebrated and on that day it has felicitated the meritorious students and retired / special achievements of the Teachers.
- d) Every month the Alumni Association displays the Photos of successful Alumni on the notice board along with their bio-data.
- e) 2011 is International Women's Day Centenary year. Hence 4 women achievers were facilitated on the Alumni day.
- f) A significant achievement of this year was the compilation of Alumni Directory Vol-I and it was released on the Alumni Day.

31. Support from the Parent-Teacher Association and its Activities:

- a) Parent Teachers Meet arranged regularly and redressed the suggestions immediately.
- b) Intimating the parents about their wards progress at the college in academic and extra curricular activities.

32. Health services:

- a) Health centre is functioning on the campus and Vaidhyashree scheme is implemented to both students and staff of the College.
- b) Doctor Service is made available daily in ladies and boys hostels.
- c) Yoga camps were organized in the ladies hostel.

33. Performance in sport activities:

- a) Miss. Soumya C. B.Sc. IV sem, got **SECOND PLACE** in Atya-Patya at National level meet.
- b) Table Tennis men team bagged champion in II Zone TT tournament.

34. Incentives to outstanding sportspersons:

- a) Providing track suits.
- b) Pocket money were given for attending tournaments.
- c) Special coaching were given to the selected students by experts.
- d) Sports kit were given to the sportsmen(juicy, shorts, shoes, spokes, ball etc)

- e) Diet given to the students after practice or coaching e.g., banana, milk and egg.
- f) Attendance were given to the students during the tournament of practice session.
- g) Special classes /extra classes were taken for the sports students.

35. Student achievements and awards:

- a) Miss. Sudha Marigoudar M.Sc. II sem authored a book “Kavya sudha” a collection of poems.
- b) Miss. Sweta Karki authored a book “Vachana Kokila” a collection of poems.
- c) Miss. Shaheen Nazir Momin of B.Sc. 4th sem bagged the FIRST PRIZE in Elocution Competition conducted by KOSMOS CLUB, Dharwad on the eve of Gandhi Jayanti. The prize consists of a certificate, a trophy and a cash prize of Rs. 5000/-
- d) Mr. Veeresh of B.Sc. 5th and Miss. Geeta Madiwalar of B.Sc. 3rd sem participated in the Poetry Composition competition on 15th Oct 2010 conducted by Hurakadli Women’s College, Dharwad. Mr. Veeresh won the SECOND PRIZE which included a cash prize of Rs. 500/-.
- e) Mr. Anup Kulkarni of B.Sc. 4th sem and Miss. Bhagyashree Huilgol of B.Sc. 2nd sem participated in Vachana Gayana Competition on 10th Jan 2011 on the eve of Lingraj Jayanti organized by S.K. Arts Science and H.S.K Science Institute, Hubli Anup Kulkarni won the SECOND Prize.
- f) Miss. Preeti Samsagi won the FIRST PRIZE in the Essay writing competition in the symposium on “Kannada Kanava B.M Shri” organized by JSS College, Dharwad.
- g) Miss. Chetana Shetty of B.Sc. 4th sem won the FIRST prize in “Unleash your Talent”, an event organised by KLE Society’s IMSR Hubli on 17th and 18th April 2011.
- h) A team of eight students of B.Sc. IV sem – **The Jabin Blasters**, led by Ms. Chetana Shetty won the SECOND place in the group dance competition organized by the Krishna Academy, Hubli and won the title BHARATA NRUTYA TAREGALU – 2010.
- i) Miss. Neelambika Meti of B.Sc. Final year, her short story “Kalanveshane” which was selected as the best short story in the “6th AKKA World Conference held at America” from 2nd to 4th September 2010 and was published in the anthology “Deepa Toridedge”.
- j) Results:

<u>Class</u>	<u>Percentage of Passing</u>
B.Sc I Semester	60.68
B.Sc III Semester	87.66
B.Sc V Semester	81.98
BCA I Semester	83.33

BCA III Semester	96.97
BCA V Semester	81.69
M.Sc I Semester (CS)	100
M.Sc III Semester (CS)	92.86
M.Sc I Semester (Bio.Tech)	100
M.Sc III Semester (Bio.Tech)	100
M.Sc I Semester (Chemistry)	100

36. Activities of the Career guidance and counseling Cell:

- a) Arranged a 3-day workshop on “Entrepreneurship Development” by CEDOK, Dharwad for B.Sc. and BCA V semester students from 31st July to 2nd August 2010.
- b) Arranged a 3-day workshop on “Career Awareness Program” by Buyoncee, Bangalore for B.Sc. and BCA V semester students from 21st September to 23rd September 2010.
- c) Arranged a 3-day workshop on “The Art and Science of Cracking your Dream Job” by LORATIS Career School, Bangalore for B.Sc. and BCA VI semester students from 3rd to 5th February 2011.
- d) Arranged a 15-days training programme on “The entry into services exams training” by Career Forum Ltd, Hubli for B.Sc. IV and VI semester students from 8th to 26th March 2011.
- e) Arranged a 3-day workshop on “The Art and Science of Cracking your Dream Job” by LORATIS Career School, Bangalore for M.Sc. students on 21st and 22nd of May 2011.

37. Placement services provided to students:

- a) Wipro-WASE, Infosys BPO, i-GATE Software Solutions, Bangalore companies. Conducted campus interview and 13 students were selected.
- b) Training programme was conducted.
- c) Display of job avenues on the notice board.
- d) Employment / Job fairs was conducted.

38. Development programmes for non-teaching staff:

- a) Adoption of computer facility.
- b) Training in tally office software.

39. Best practices of the institution:

- a) Adoptions of meritorious but financially poor students by faculty members/Alumni Association.
- b) Use of mobiles by the students is banned.
- c) Selection of students representatives based on merit (without elections)
- d) Students feed back of teachers.
- e) Felicitating students and teacher achievers.
- f) Counseling of students at the time of admission.
- g) Use of ICT based teaching and learning.
- h) Experiential learning through project/exhibition.
- i) Students field projects.
- j) Participation and presentations of students in seminars.
- k) Working in teams and respecting others ideas.
- l) Community oriented research problems.
- m) Teachers training programmes.
- n) Mentor system.
- o) Extension lectures.
- p) Health and hygiene awareness programmes.
- q) Vaidyashree insurance scheme.
- r) Placement opportunities.
- s) Working in accordance with the strategic plan of the college with process teams.
- t) Shri. Ramesh Lalvatti, a calligrapher of M.Sc. IV sem has awarded a cash prize given by the College.

40. Linkages developed with National/International, academic/Research bodies

- Department of Hindi established linkages with Dakshina Bharath Hindi Prachar Sabha, Madras.

41. Any other relevant information:

- Research papers presented at National / International conferences by faculty

Name of the faculty	Name of Conference	Place
Prof. N.M. Mahabaleswaraih	National conference on “Recent trends in Chemical Sciences”	Kuvempu University, Shivamoga June 2010
Prof. Sonappanavar A.B.	National Conference on ‘Plant diversity and plant health’ 2010	University of Mysore, Mysore 11 th & 12 th March 2010
Prof. Sonappanavar A.B.	All India Botanical conference and International symposium on new horizons of Botany 2010	Shivaji University, Kolhapur 10 th , 11 th & 12 th November 2010
Dr. C.S. Hiremath	2 nd DAE –BRNS Symposium 2011	Karnatak University, Dharwad
Dr. Praveen Naik	47 th International annual Convention of Chemists, 2010	RS University, Raipur
Dr. (Smt.) Arali J. V.	Annual Convention of Indian society for probability and statistics 2010	University of Jammu, Jammu

- Dr. P.P. Samorekar is the Guide for Ph.D. for two students and M.Phil. for two students.
- National level IT fest “ACUMEN -11” was organised by BCA VI sem on 15th and 16th March 2011.
- Under the Women empowerment cell fruits were distributed on 2nd October 2010 to the inmates of Govt. girls hostel and home for mentally challenged women, Unkal cross, Hubli.
- Guest lecture was delivered by Dr. Saroja Bhairi, Gynecologist on “Teenage problems in girls” which helped a lot our young lady students.
- Competitions in Mehandi, Rangoli, Vegetable carving, Best out of waste, Hair style, Dish arrangement, Flower arrangement were arranged.
- Value addition course on “Self grooming” was conducted from 7th to 15th Feb 2011.
- A guest lecture was arranged on “Law relating to crime against women” was delivered by Smt. Sharada Patil, Lecturer G.K. Law College, Hubli was invited as a resource person.
- National festivals like, Independence Day, Teachers day, Republic Day were celebrated.
- Founders Day celebrated on 13th November 2010.
- Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Dr. B R Ambedkar Jayanti, Kanakadas Jayanti, Valmiki Jayanti were celebrated.

- Department of electronics has come out of with the publication of a quarterly journal by Electronics Magazine – “Electromatrix”
- Students of Zoology have undertaken a project titled **Use of Plastics in road making** and it is financed by VGST.
- Guest lecture by Dr. S.M. Shivaprasad , Senior Scientist, JNCASR on 27th Sept 2010 on the significance of solar energy.
- All the science departments of our College are actively involved in the popularization of Basic Sciences for High School students.
- Under botanical society, Guest Lecture by Dr. Uday Tirlapur of the University Oxford, UK, on the topic **Bio-medical applications of Stem Cells.**
- Department of English has established the English club with a view to emphases on the communicative skills of English especially for the present corporate world. Research papers presented at National / International conferences by faculty.
- Free eye check up camp on extension activity was organized under Youth Red Cross and Vasana Eye care on 21st May 2010 in Lokappa Hakkal, Vidyanagar, Hubli
- External AAA Committee constituted by Karnatak University Dharwad visited the College on 4th March 2011 and made good remarks on the performance of the Institution under Autonomous mode.

Part – C

Future Plans for the year 2010-11 of the Institution for Quality Enhancement.

Plan to

1. Take up Major/Minor research projects.
2. Organize National/International/Seminars/workshops.
3. Start certificate courses.
4. Start PG course in physics from the academic year 2011-12.
5. Procure major equipments for strengthening research activities.
6. Arrange industrial visits/field survey.
7. Arrange guest lecture.
8. Motivate the students to participate in extra-curricular activities & co- curricular activities.
9. Enhance the infrastructure.
10. Procure new books/journal etc.
11. Arrange a faculty development programmes.
12. Grow and maintain of medicinal plants.

13. Encourage the faculty members to participate/ to present paper at National level seminar / workshop.
14. Publish research papers/books.
15. Invite reputed companies for the placement.
16. Arrange a development programmes for non-teaching staff.
17. Have linkages with research bodies located outside Hubli city.
18. Arrange a Graduation day.
19. Start a Value addition course in LINEX and in VB.NET.
20. Start M.Sc. Computer Application programme from 2011-12 onwards.
21. Establish MOU with IT companies.
22. Start certificate course in plant propagation
23. Upgrade number of herbaria and museum specimens.
24. Establish collaboration for research
25. Enhance hands on training
26. Take up awareness program on Bio-diversity conservation
27. Involve the students in projects concerned to environment and pollution.
28. Make preparations for the peer team visits.

(Prof. F. V. Kallanagoudar)
Name & Signature of the
Coordinator, IQAC

(Prin. V. B. Hiremath)
Name & Signature of the
Chairperson, IQAC