

PEER TEAM REPORT ON <i>Institutional Accreditation of</i> Bhavan's New Science College	
Place: Hyderabad State: Andhra Pradesh	
Section I: GENERAL	Information
1.1 Name & Address of the Institution:	Bhavan's New Science College Narayanaguda, Hyderabad
1.2 Year of Establishment:	1956
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	Nil
• Departments/ Centres:	11
• Programmes/ Courses offered:	UG-8, PG-4
• Permanent Faculty Members:	28, SF 24
• Permanent Support Staff:	28, SF 4
• Students:	644
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> • Continued efforts to maintain the vision and mission of the founder leaders. • Commitment to impart quality education. • Strategic location in the metropolis to benefit from inter-institution interactions.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	February 9-11, 2009
1.6 Composition of the Peer Team which undertook the on- site visit:	
Chairperson	Prof. P.S.Zacharias , Former Vice Chancellor of Goa University, 207, Kapila Tower 1, National Games Village, Koramangala, Bangalore 560 047
Member - Coordinator	Prof. S.K.Jain , Dean Faculty of Science, Jamia Hamdard University, Hamdard Nagar, New Delhi -110 062
Member	Dr. Sheela Ramachandran , Principal, PSG College of Arts & Science Civil Aerodrome P.O, Coimbatore 641 014.
NAAC Officer:	Dr. Sujata P. Shanbhag , Asst. Adviser, NAAC, Nagarbhavi – 560 072

Section II: CRITERION WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects <i>(Please limit to three major ones for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones)</i>
2.1 Curricular Aspects:	
2.1.1 Curricular Design & Development:	<ul style="list-style-type: none"> • The institution has clear Vision and Mission. • Curriculum developed by Osmania University is followed. • The courses offered are in tune with the goals and objectives of the college.
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Core options and academic flexibility are as per university curriculum. • Aided, Self-financed courses, vocational and UGC sponsored add-on courses are offered. • No value-added certificate or diploma courses other than those supported by UGC are offered.
2.1.3 Feedback on Curriculum	<ul style="list-style-type: none"> • Informal feedback is received from students, and other stakeholders. • The university is appraised of the feedback on curriculum through the faculty who are BOS members.
2.1.4 Curriculum Update	<ul style="list-style-type: none"> • Major revision of the curriculum was done in 2008 by Osmania University.
2.1.5 Best Practices in Curricular Aspects (If any):	<ul style="list-style-type: none"> • Initiative taken to introduce GIS in the Geology course.

2.2 Teaching-Learning & Evaluation:	
2.2.1 Admission Process and Student Profile	<ul style="list-style-type: none"> • UG admissions are on merit basis and PG admission on the basis of entrance test held by the University. • Reservation as per Government norms. • Updated prospectus is provided to students and college website is maintained.
2.2.2 Catering to the Diverse Needs:	<ul style="list-style-type: none"> • Induction program is conducted. • UGC sponsored remedial coaching scheme provided. • Class teachers follow up on students' academic and extra-curricular performance.
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> • Time bound annual teaching plan is prepared. • Biotechnology and Bio-informatics students undergo on-the-job training. • Teaching of most courses is complimented with models, museums, practicals, projects and some amount of AV aids.
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • Recruitment of teachers for aided programs is as per Osmania University / State Government norms. For unaided courses teachers are appointed by the Management. • Many of the teachers are post graduates, few are MPhil and about 40% have PhD degrees.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> • Examination and evaluation is done as per the University norms. • College conducts test and mid-term examinations for the student's benefit. • Examinations for the UGC sponsored Add-on course is conducted by the University.
2.2.6 Best Practices in Teaching-Learning and Evaluation (If any):	<ul style="list-style-type: none"> • English teaching for first generation learners is student-centric and innovative.
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> • Research committee has been constituted in 2008. • FIP leave is sanctioned to teachers to pursue PhD programmes.

	<ul style="list-style-type: none"> • Research activities need to be strengthened.
2.3.2 Research and Publications Output:	<ul style="list-style-type: none"> • Few national and international publications and papers have been presented during the last few years. • One major and few minor research projects were obtained in the past. • Department of Zoology is a recognized research center since 1972 and teachers have produced 12 PhDs.
2.3.3 Consultancy:	<ul style="list-style-type: none"> • Some consultancy is provided to other institutions on honorary basis. • No formal method for publicising the available expertise.
2.3.4 Extension Activities:	<ul style="list-style-type: none"> • NSS and NCC units carry out regular extension activities. • Green Peace soldiers help in environmental awareness and Genotoxicity awareness for slum dwellers, both since recent times.
2.3.5 Collaborations:	<ul style="list-style-type: none"> • Few collaborations at National/State/Local levels exist for internships. • MOU for on the job training program for Bio-informatics students.
2.3.6 Best Practices in Research, Consultancy & Extension (If any):	<ul style="list-style-type: none"> • Based on the finding of a research project the college has imposed total ban on mobile phones on campus for students.
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities for Learning:	<ul style="list-style-type: none"> • The classrooms and labs are just adequate to run the existing courses. • Optimum utilization of available infrastructure. • The common women's room and toilet facilities need improvement.
2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> • The building, classrooms and labs are several years old and require maintenance. • Equipment of several plan periods are still maintained. • Maintenance of facilities needs to be strengthened.
2.4.3 Library as a Learning Resources	<ul style="list-style-type: none"> • Besides the central library, the college has departmental libraries. • E-resources may augment the library. • The library is yet to be automated.

2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> • The computer facilities of the college are distributed with a total of 51 computers. • The CBT facility of the English Department is worth mentioning. • A centralized internet facility may supplement the existing one, with higher speed to facilitate internet based learning.
2.4.5 Other Facilities:	<ul style="list-style-type: none"> • Some sports facilities and playing ground are borrowed from sister institutions. • The college has no hostel or transport facility. • Medical facilities or Health Centre do not exist.
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any):	<ul style="list-style-type: none"> • Medicinal and ornamental plants are maintained in the UGC sponsored green house. • The specimens in the departments of Zoology, Botany and Geology are well maintained.
2.5 Student Support and Progression:	
2.5.1 Student Progression:	<ul style="list-style-type: none"> • 40% UG and 10% PG students progress to further studies. • 5 alumni have cleared NET and one, civil services examination in recent years. • Free coaching is given for competitive examinations.
2.5.2 Student Support:	<ul style="list-style-type: none"> • Government sponsored scholarships are available to students. • The Counseling center, Grievance Redressal Cell, and Women Empowerment Cell have been established recently. • The college is a Jawahar Knowledge Centre recognized by the Government for promotion of personality development and placement of students.
2.5.3 Student Activities:	<ul style="list-style-type: none"> • Alumni Association has been established in 2008. • Feedback from students are obtained through a questionnaire annually and through the suggestion box. • Students participate actively in cultural fests and sports and bring

	laurels to the college.
2.5.4 Best Practices in Student Support and Progression (If any):	<ul style="list-style-type: none"> • The Alumni Association contributed to the statue of the Founder Principal and the small garden on the limited campus space. • The students organize the Science events 'Scientia'.
2.6 Governance and Leadership:	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> • The institutional vision and mission of the college since 1956 are being maintained. • The involvement of the Management towards development of infrastructure, teaching and research facilities needs to be strengthened. • Frequent change in the Principal-ship can hamper long term planning and growth of the institution.
2.6.2 Organizational Arrangements:	<ul style="list-style-type: none"> • Regular meetings of the Governing Body are held. • The college is an aided institution headed by the Principal. • There is no Grievance Redressal Cell for the employees.
2.6.3 Strategy Development and Deployment:	<ul style="list-style-type: none"> • Few committees support the academic functioning of the college. • The college has no MIS in place. • There is no formal feedback mechanism or initiative for quality improvement.
2.6.4 Human Resource Management:	<ul style="list-style-type: none"> • Due to Government restrictions in aided appointments, the vacant posts are filled by the Management. • No specific welfare measure for the staff exists. • No specific mechanism for the professional development and skill upgradation of the employees.
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> • Budgetary expenses are met from the grant-in-aid, fees collected and a few UGC sponsored schemes. • There is no alternative resource mobilization mechanism (funding agencies, running of value added courses, etc.). • Automation of finance section needs to be evolved.
2.6.6 Best Practices in Governance and Leadership (If any):	<ul style="list-style-type: none"> • The proactive role of the Principal as an effective teacher and researcher is evident.

2.7 Innovative Practices:	
2.7.1 Internal Quality Assurance System:	<ul style="list-style-type: none"> No formal Quality Assurance System exists.
2.7.2 Inclusive Practices:	<ul style="list-style-type: none"> About 49% of the students are from rural background. Appropriate facilities do not exist for the differently abled students.
2.7.3 Stakeholder Relationships:	<ul style="list-style-type: none"> A good number of Alumni are well-placed. A healthy relationship exists between the college authorities and the parents and the alumni.

Section III: OVERALL ANALYSIS	<i>Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)</i>
3.1 Institutional Strengths:	<ul style="list-style-type: none"> Good reputation of the institution due to the commitment and dedication of the staff over five decades. Disciplined and dedicated students and well-placed alumni. Access to inter-institutional support, being in a metropolis. Few departments like English, Zoology, Biotechnology, Geology and Electronics promote teaching – learning and research. Maintenance of unique and old specimens especially in the departments of Zoology, Botany and Geology.
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> Lack of hostel facilities hampers attracting students from outside Hyderabad. Lack of modern library resources like books, journals, e-resources, automation, etc., Lack of sports facilities and hence dependence on other institution / organization. There is no appropriate financial allocation for development and growth. Poor maintenance of infrastructure.
3.3 Institutional Challenges:	<ul style="list-style-type: none"> Scope of tapping the enlightened and well-placed alumni potential for resource. Consolidation and strengthening of self-financing courses.

	<ul style="list-style-type: none">• Alternate resource generation.• Professional and skill development of faculty through renowned institutions of the city.• Strengthening of research activities.
3.4 Institutional Opportunities:	<ul style="list-style-type: none">• Expansion of infrastructure for existing courses and future courses.• Retention of qualified faculty.• Micro level challenge arising out of large number of other academic institutions.• Admission of students, especially being only a Science college.• Providing stable electric supply to the teaching and research laboratories.

Section IV: Recommendations for Quality Enhancement of the Institution
(Please limit to <i>ten major ones</i> and use telegraphic language) (It is not necessary to indicate all the ten bullets)
<ul style="list-style-type: none"> • Value-added and skill-oriented diploma courses may be conducted. • The utilization of ICT in the teaching-learning process be enhanced. • Professional development and skill upgradation of teachers to be strengthened. • Faculty shortage to be remedied expeditiously and retention to be compensated by appropriate incentives. • More efforts need to be made to strengthen research activities. • E-governance and e-library to be progressively adopted. • Formal student forums to involve them in quality assurance may be considered. • Student support services like counseling, soft skill training, placement, etc may be strengthened, and creation of better facilities for sports / extra-curricular activities. • Resource mobilization from other agencies. • College may develop long term strategy for overall development and quality enhancement.

I agree with the Observations of the Peer Team as mentioned in this report.

Signature of the Head of the Institution

Seal of the Institution

Signatures of the Peer Team Members:

Name and Designation	Designation	Signature with date
Prof. P.S.Zacharias, Former Vice Chancellor of Goa University.	Chairperson	
Prof. S.K.Jain, Dean Faculty of Science, Jamia Hamdard University.	Member	
Dr. Sheela Ramachandran, Principal, PSG College of Arts & Science.	Member	

Place: Hyderabad.

Date: 11th February, 2009.