

**PEER TEAM REPORT**

**ON**

**THE RE-ACCREDITATION**

**OF**

**JANKIDEVI BAJAJ COLLEGE OF SCIENCE  
WARDHA  
MAHARASHTRA**

**JANUARY 21-22, 2006**

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**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
BANGALORE**

**PEER TEAM REPORT  
ON  
INSTITUTIONAL RE-ACCREDITATION  
OF  
JANKIDEVI BAJAJ COLLEGE OF SCIENCE  
CIVIL LINES  
WARDHA  
(MAHARASHTRA)**

**JANUARY 21<sup>ST</sup> AND 22<sup>ND</sup> 2006**

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**SECTION I : PREFACE**

Jankidevi Bajaj College of Science, situated in the historical city of Wardha was established in 1962. Influenced by the National Movement and Mahatma Gandhi, Shiksha Mandal, Wardha was established, by late Shri Jammalal Bajaj and others. The objective was to promote comprehensive value based education. Towards this aim the first Commerce college was started by Shiksha Mandal in 1940. Shiksha Mandal Wardha, a philanthropic body was established in 1915 and plays an important role in the establishment of educational institutions in the area. Inspired by Mahatma Gandhiji, Shiksha Mandal pioneered the higher education and at present is running thirteen other Colleges. To achieve the objectives of economic equality and social equity as manifested by Gandhiji, the Shiksha Mandal decided to establish the first Science College at Wardha with the aim of teaching various subjects of Science and inculcate values of discipline, National integration as well as dignity of labour among students. The College is located in an urban area and has the Faculty of Science (Physics, Chemistry, Mathematics, Electronics, Computer Science, Botany, Zoology and Microbiology) offering 6 undergraduate programmes and two post-graduate programmes. The College has an area of 13 acres, in which the infrastructure facilities are developed in a good ambience providing the necessary focal point for quality higher education to students. The J.B.S.College was assessed and accredited by the National Assessment and Accreditation Council (NAAC) in August, 1999 at the three star level.

Starting from pure science discipline the College offers B.Sc. degree with six programme options and self-financed M.Sc. programmes with specialization in Botany and Chemistry as well as Computer Science. From the academic year 2006-07, the College proposes to start B.Sc. Biotechnology and M.Sc. Microbiology.



Affiliated to Rashtra Sant Tukdoji Maharaj, (RSTM), Nagpur University the College has received recognition from UGC, under 2f and 12B in 1975 and 1998 respectively.

At present, the College has 42 sanctioned posts for teachers, 30 of these posts are filled with 25 permanent teachers inclusive of 4 Readers. In addition the College has appointed 2 teachers on contract basis and 16 as contributory teachers.

The number of students enrolled in the academic 2005-06 is 656 in UG courses and 51 in the Masters programme.

In pursuance of the re-accreditation process the National Assessment and Accreditation Council (NAAC) Bangalore, constituted a Peer-Team consisting of Prof. Veena R. Mistry, former Pro-Vice Chancellor, M. S. University of Baroda, as Chair-person, Dr. Rajan Varughese, Director, Mar Thoma College of Management and Technology, Perumbavoor, Kerala and Prof. P. Subhash, former Principal, Govt. College, Kammam, Andhra Pradesh as members. Mr. S. S. Kulkarni DGM (Battery) Bharat Electronic Ltd., Pune participated in the assessment process as "Observer" from Industry. Dr. M. S. Shyamasundar, Dy. Advisor NAAC as member – coordinator provided support and facilitated the functioning of the Peer-Team.

The Peer team reviewed in detail the reports submitted by the College, as per the re-accreditation guidelines formulated by NAAC, examined other relevant documents, visited the departments and infrastructure facilities. The Peer Team also met with the Principal, Management Committee and other constituents of Jankidevi Bajaj College of Science.

Based on the above exercise and detailed examination of relevant records the Peer Team presents the following criterion-wise report inclusive of recommendations.

## **SECTION II : CRITERION-WISE ANALYSIS**

### **CRITERIA I : CURRICULAR ASPECTS**

Jankidevi Bajaj College of Science established on Gandhian thought aims to disseminate science education. In this process it purports to foster in students inquisitiveness and pursuit of excellence. Its objectives also include up-gradation of knowledge, research and use of modern media and technologies. In consonance with the philosophy of the Shiksha Mandal the curriculum aims to promote national integration, dignity of labour and inculcation of work culture. The College has clearly defined goals and mission and these are made known to all the stakeholders.





The steps taken by the College after the first accreditation in redefining the goals and objectives are appreciable. The programme options available are six in Bachelor of Science and two in Master of Science. All these seven subject combinations represent, in a certain measure appropriate time-framed, horizontal mobility with reference to elective options.

In pursuance of the objective of promoting science education the College offers undergraduate degree programme with six options including computer science as a subject. Self-financed courses conducted by the College are : (1) B.Sc. Computer Science with Mathematics and Physics (2) M.Sc. Botany and (3) M.Sc. Chemistry. Thus, to a certain extent the curriculum is career oriented.

Being an affiliated College its syllabi and the examination system are limited to the norms of the University. However, as four teachers are members of Boards of Studies they are able to influence curriculum content.

Feedback is obtained from students, alumni, teachers and academicians through discussions in meetings and conveyed to the University for due consideration. From the year 2001-02 the syllabi for all subjects has been revised as per UGC guidelines. Students are informed about the objectives, examination scheme, etc. through prospectus and notice-board.

Future curriculum planning includes introduction of Bio-technology as an inter-disciplinary course and three add-on courses namely, Plant Tissue Culture, Aqua culture and Biotechnology for which proposal has been sent to U.G.C. In addition to the existing remedial course in English the College has sent proposals to UGC for remedial courses in other subjects. Other academic facilities and practices include use of the Library and internet, as well as pairing of slow and advanced learners and tutorials.

A number of programmes like cleanness drive, collection of relief fund for national calamities, rain water harvesting, environment protection and health programmes are organised to inculcate the values such as work culture, dignity of labour and social awareness etc.

The post-first accreditation activities included specifying the goals and objectives, formation of CWSS and enhancement of feedback mechanism. Two Post Graduate courses in Chemistry and Botany were started and 2 national seminars as well as 1 workshop have been organized. Computer Science option was introduced as a self funded course during the assessment period. Thus, attempts have been made to improve the curricular aspects, especially in the domains of value orientation, heritage and social relevance.



**CRITERION II : TEACHING – LEARNING AND EVALUATION**

The College functioned for 287 days in the last academic year with 180 teaching days. The number of sanctioned teaching posts are 42 out of which 30 are filled. Nine teachers hold Ph.D. degree, 6 are M.Phil. and 2 NET/SET qualified. Among non-teaching staff 55 out of 63 sanctioned posts are filled for non teaching positions. The teacher-student ratio is 1:20. Towards fostering professional development of teachers the College organized 4 seminars and workshops, 4 teachers attended refresher courses and 5 attended orientation programmes. The College organizes Tutor – Ward system with a ratio of 1:20. It also offers remedial education program in English.

The students in this college are selected through the assessment of their academic records and the government norms regarding reservations by making the merit list of candidates. The demand for admission is fairly high as only one out of four applicants secures admission at the first degree level. The practice of identifying weak students on the basis of marks in the qualifying examination is followed, to impart remedial coaching and personal attention. Deserving students from the under privileged sections of the society are given remedial courses in English. Students' seminars, providing books and award of prizes are methods used to motivate and encourage advanced learners.

The College prepares and publishes an academic calendar including the curricular and extra curricular programmes. The College has adopted the healthy practice of every teacher preparing and submitting a unitized teaching plan to the HODs and Principal and adhere to the same in the course of the academic year as a part of the teaching schedule. The Heads of department monitor the progress of the process so as to ensure the adherence to the teaching plan. The conduct of extra sessions to help the students is a good practice followed in the institution. Maintenance of teachers' academic diaries along with the record of lectures and periodic review of these records by the heads of departments and Principal is a good management practice.

The practice of using display models, charts and audio-video aids in teaching-learning process of the College is a good practice. Supplementing lecture method of teaching through tutorials, seminars, projects, study tours, exhibitions, competitions and assignments has its impact in the quality of teaching, learning and evaluation in the College. Students are benefited by the experiential learning programmes such as practicals, seminars, home assignments, plant collection, excursions and study tours, projects, quiz and general knowledge tests followed in the College. Tutorial sessions arranged in English, Mathematics, Physics, Electronics and Computer Science are sound initiatives to improve quality of teaching-learning. The tutor-ward system with an academic advisor for small groups of students to monitor the academic progress of students is a





good procedure. The maintenance of a 'Student Cumulative Record (SCR), a diary containing cumulative records of curricular and extra curricular activities and achievements is beneficial to students as a motivating force. The practice of teachers and students making use of the facilities in the library and laboratories for books and journals and internet and participating in workshops, seminars and conferences to achieve quality learning experience is appreciated. The relatively large percentage of students using the library is worth mentioning.

The College is promoting the concept of improving the qualification of faculty members as the number of Ph.D., and M.Phil degree holders has improved in comparison to the level at the first assessment and accreditation. This is evident from the fact that 23 percent of the teachers have Ph.D., and 15 percent have M.Phil degrees. The recruitment procedures are based on the University and the State Government norms. Over seventy five percent of the faculty positions are filled by regular appointment. As qualified SC/ST candidates are not available for appointment rest of the positions are filled by 'contributory teachers' to provide sufficient staff strength for the teaching work in the College. Teachers are encouraged to attend academic activities at the national and international levels over and above the mandatory orientation and refresher courses, which is supported by 100 percent participation of teachers in workshops/seminars and 25 percent teachers presenting research papers in academic forums. The initiative of the College in training its staff in the use of computers has contributed to the enhancement of quality and this process needs to be continued. The computer awareness level of faculty members and the use of audio-visual aids is relatively high compared to the period of the first assessment and accreditation. The student - teacher ratio is approximately 1 : 20 and contributes to the better quality of teaching-learning. The Peer team commends the participative mechanism for teaching-learning, involving students through cooperative learning, group discussions and use of audio-visual aids.

The evaluation of teachers with respect to quality of teaching is done with the help of feedback in the form of structured questionnaire collected from students and reviewed by the Principal and the Management. The follow-up action of the Management after analyzing the feedback by appreciating the strengths and offering suggestions to overcome the shortcomings of individual teachers in the presence of the Principal is rewarding as well as proactive approach to improve the quality of teaching. The introduction of academic audit and review of its outcomes by the staff council and parent body meetings is another quality enhancement strategy practiced by the College.

The annual pattern of examination schedule of the University and the terminal examination procedure of the College are communicated to students and their performance is monitored by unit



tests, terminal examinations and home assignments. The results of evaluation the terminal examination and tests are regularly intimated to students and parents and there is provision for grievance redressal of students in evaluation matters at the College and the University levels.

Some of the areas curriculum and teaching-learning process need to concentrate upon include, inter-disciplinary studies, career oriented, add-on courses, global relevance, entrepreneurship development and women's empowerment. Post-graduate Diploma self-funded courses may be introduced in front-line areas.

A student grievance redressal cell and the method of student evaluation of teachers have been introduced after the first accreditation. I Q A C and Q A C had been established in 2004-05.

### **CRITERION III : RESEARCH, CONSULTANCY AND EXTENSION**

The College has made efforts to promote research among teachers by encouraging them to attend conferences, seminars and symposia, to conduct laboratory work inside and outside the campus by providing financial assistance, to appropriately reschedule their regular teaching work in the College and to sanction study leave for continuing higher studies in other institutions under the Faculty Improvement Programme. Nine teachers have research degree out of these three were awarded the degree, during the assessment period, five teachers are actively engaged in research, nine research papers are published in refereed journals of national and international repute. One teacher has been recognized as research (Ph.D) guide by the R S T M, Nagpur University.

Improvement of laboratory facilities by addition of sophisticated equipments, organizing national and international seminars, completion of four minor research projects funded by the UGC and an ongoing UGC supported minor research project are indications of the interest taken by the College for bringing research culture to enhance quality of higher education.

Due to the constraints of being an undergraduate college and the location, the scope of consultancy is limited. However, attempts may be made to increase the involvement of teacher as consultant in a formalized manner. The consultancy services for quality drinking water provided by the Microbiology and Zoology departments were beneficial to the people of the area. The College has established linkages with the Post Graduate departments of the University and the Institute of Science at Nagpur.

The College has undertaken extension activities through NCC, NSS, CWSS, Science Forum and PEC during the period of assessment in terms of conduct of awareness programmes on population growth, drug abuse, women empowerment and eradication of social evils, testing of





adulteration of food materials, preparation of bio fertilizers, assisting in the construction of village roads and camps to promote health and hygiene.

While attempts are made to augment research and extension activities there is a need to further concentrate in these areas by increasing linkages for both research and extension and for a long-term concerted and coordinated effort in the realm of extension activities.

As recommended in the first accreditation report the College conducted two National level seminars and encouraged the faculty members to participate at National and International seminars to overcome the small town syndrome. The College has established a Research promotion cell for the promotion of research activities.

#### **CRITERION IV : INFRASTRUCTURE AND LEARNING RESOURCES**

The College campus is developed in 13 acres of land with compound wall all around and good infrastructure facilities for academic, administrative and co curricular activities which include, adequate number of class rooms, well-equipped laboratories, library and reading room, faculty rooms for each department, administrative block, residential buildings for Principal and staff, guest rooms, seminar halls, botanical garden, zoological museum, sports fields and parking facilities. It has a developmental plan as is evidenced by the augmentation of infrastructure amounting to over Rs.27 lakhs during the post accreditation period so as to improve facilities as one of the quality enhancement initiative. From the year 2000 to 2004 the College has built, buildings, toilet block and compound wall and constructed internal paved roads. Bore-wells, generator-rooms and additional classrooms have also been constructed. A new laboratory for Chemistry is completed and Microbiology laboratory is on the anvil.

The infrastructure facilities are used optimally so as to benefit the students and faculty members and staff which is ensured by following well planned time-table to accommodate the Minimum Competency Vocational Courses, science exhibitions, examinations of the Public Service Commission, Banks, Railways and Maharashtra State Board of Examinations. Number of staff members to support the maintenance and upkeep of the infrastructure is adequate and on the average an annual expenditure of over Rs.4 lakhs is incurred for the maintenance work, which is provided in the budget. It is a healthy practice in the College to utilize the voluntary service of staff and students in maintaining campus cleanliness. However there is need to improve the quality of maintenance of toilets, drinking water and some of the laboratories.





The College library and computer facilities are easily accessible to students and faculty members. The College library has adequate space with limited reading room facility for students and faculty, issue counter, stack room and bound volume room. The Dewy Decimal Classification is used in the library for efficient management of 29159 books consisting of 19237 titles, 19153 text books, 809 reference books and 9197 other books, a good collection of encyclopedia and reference volumes, 23 journals and 32 periodicals and a collection of university question papers. Good management practices of the library such as vigilance and surprise checks and periodic pest control measures are practiced. The time schedule of the functioning of the library is between 8.00 am and 5.30 pm with open access facility provided for postgraduate students. Use of library per day on an average is one out of three faculty members and one out of eight students. The Advisory Committee of the library monitors and advises the Librarian and staff on its functioning so as to make it an effective instrument for increasing knowledge of students and faculty members. A participatory system of procurement of books is followed in the library and information on new arrivals to the library is provided to benefit the students and faculty members. The College uses technology advancements in library management as is evidenced by the library automation. The different services of the library including search, issue and return of books are automated with an application software developed for the College. The upgradation of the software system with provision for the use of barcodes is in progress. Internet facility is provided in the library and audio-visual aids such as TV and VCR are also available.

The computer center has 18 computers with LCD projector, scanner, printers and other necessary accessories supported by relevant software systems. A total of 38 computers are installed including those in the administrative offices, library and each of the department. Students, faculty and non-teaching staff have access and availability to computers. The initiative of computer science department in conducting awareness programmes for faculty members in the use of computers and internet to promote the use of technology in teaching is a good practice. Innovative projects of development of learning modules with the help of application software in academic field was undertaken by department of Electronics in 'virtual instrumentation' and by department of Mathematics in 'Computer Oriented Numerical Methods' and 'Computer Oriented Euclidean Algorithm'. Computers are used in the administration for improving the efficiency. The staff of the Computer Science department is in charge of the maintenance of all the computers of the College. Internet facilities and website of the college are the tools for the use of technology for the students and faculty members in enhancement of quality in academic activities.



Hostel facility of the sister institution is shared by the College to accommodate four resident students. The Gymnasium of the College has necessary equipments to providing advanced facilities for the students. The infrastructure facilities for sports and games is adequate for indoor and outdoor games. The physical education department provides training for athletes and players and are encouraged through the award of prizes and incentives which has resulted in commendable performance at international, national, state and regional level competitions and tournaments. A placement cell is established to assist the students in career selection and placement, though the activities of the cell need to be streamlined and strengthened. The 'Student Welfare Scheme' provides insurance facility for students and a team of doctors give free consultation and treatment to students of the College.

The College has very good facilities for sports and games. Sports persons are encouraged by providing incentives and thus have achieved laurels for the College which is evidenced by the good participation of students at the University, State and National level.

Based on the first assessment report the College has added a laboratory block and procured equipments for the different laboratories. The computer laboratories were upgraded with the addition of more number of machines. The library automation was successfully undertaken with search facilities provided in the reading room. Internet facility is also provided in the library to benefit the staff and students.

#### **CRITERION V : STUDENT SUPPORT AND PROGRESSION**

The present student strength of the college is 656 in under graduate level and 51 in post graduate classes which indicates that the courses in the college are in demand. The composition of student population is from diverse social and economic strata from Maharashtra State and only one student is from outside the State. Average programme completion is at 60 percent and the success rate is satisfactory. The drop out rate 40 percent invites implementation of appropriate measures to reverse the trend. A good number of students completing the Under Graduate courses proceed for higher studies.

The updated prospectus of the College containing information on its history, aims and objectives, courses, fee structure and all relevant facts is published annually. The students are provided with financial assistance in several ways ; 177 students availed of free ships worth Rs.1,53,849/- and 40 students were provided with assistance from student aid fund to an extent of Rs.12,000/-. Number of students enjoying Government scholarships worth of Rs.5,60,560/- is 348.





Weak students avail of remedial courses and counseling services are available to students with the assistance of teachers who have undergone training in counseling. The Tutor-Ward system with a small group of students attached a teacher is a good method to help students. The starting of students' feedback on teaching and about the College are steps towards quality enhancement. Faculty members are trained to improve their profile. One third of the teachers are assessed every year to give feedback to them on their performance. The Gymnasium provides excellent facilities to ensure the physical health of the students and the faculty and the introduction of health insurance is a good initiative in student support activities. Protected drinking water supply is available in the campus.

The NCC, NSS, CWSS, PEC, Vivek Vahini, sports and games are avenues for leadership development of students and they are given incentives for impressive performance. Two students being selected to armed forces as officers through N.C.C indicates the motivation level maintained at the College. The students of the College have performed well in sports and other extra curricular activities. The Alumni Association had been established in 1998 and it is helping the parent body to maintain greenery in the campus by providing tree guards and also organizing lectures by eminent persons. The commitment of the alumni towards the College is evident by their involvement in the developmental activities. A good number of alumni is occupying prominent positions at the State and Central level.

During the assessment period the College has established a Placement Cell to assist the students in securing jobs and its impact is visible through the conduct of campus interviews by two reputed companies. It has also encouraged students in entrepreneur skills and conducted workshops to train them for self-employment.

#### **CRITERION VI : ORGANIZATION AND MANAGEMENT**

The Management has clearly laid down goals for the College which are derived from the institutions history. The internal coordinating and monitoring mechanism of the College is well defined and an appropriate built-in mechanism which sustains the all-round development of the institution. The College has clearly spelt out its mission statement and goals which are reflected through the curricular and co curricular activities. The parent Management body, the Local Management Committee and the Staff Council meet periodically and take decisions for the development of the College. The Local Management Committee under the direction of the Shiksha Mandal is effectively functioning by giving needed guidance and directions to the



Principal and take necessary managerial decisions to benefit the College. The representation of teaching and non-teaching staff along with the Principal in the L.M.C is an appreciable practice.

The College has a well defined organizational structure with the Parent Management Body, Local Management Committee and the Staff Council. The administration of the College is decentralized through the 26 committees in charge of the different functions such as prospectus, time table, admission, attendance, library, examination, discipline and all co-curricular and extra curricular activities. The internal coordination and monitoring of the administration is ensured by the review through periodic meetings of the Local Management Committee and Staff Council. The College has a participative management as is evidenced by the structure and composition of the organization.

The College has perspective plans for its development which is prepared by the Principal and the heads of departments and approved by the management. The faculty members assist in the preparation of academic calendar incorporating the academic programmes, goals and objectives of the College and guidelines of the University. Two PG courses were started during the review period and the X<sup>th</sup> Plan proposals are getting implemented.

The recruitment of teachers and staff is based on norms of the University and Government. Thirty of the forty two sanctioned teaching positions are filled and the remaining workload is handled by contract and contributory teachers. There are fifty five non-teaching staff members for the administrative and technical services. The practice of offering self-development training for faculty and staff of the College is a step towards enhancing quality.

The Management using the feedback of students to evaluate the performance of teaching staff and to appraise the teachers and staff members on their performance is a good practice. The self-appraisal method is used for the performance evaluation of teachers with the self-appraisal forms. Teacher-parent meet is a special feature of the College to obtain suggestions and feedback from parents on the performance of students and the teaching-learning process in the College. Follow-up action of the Management is through the conduct of skill development training programmes for the non-teaching staff.

The College mobilizes its resources through tuition and other fees from aided and self-financing programmes and the Management meets the deficit in the budget. The budget approval by the Management is a good financial management practice. The College has generated financial resources to the tune of over Rupees 14 lakhs from self-financing courses and nearly Rupees eight lakhs from the UGC. The unit cost of education with salary component is Rs.20,909 and without salary component Rs.1,740. There are other progressive practices for monitoring of the financial





operations of the College through external audit. The transparency and integrity evinced in the functioning of the management is a laudable feature. Overall, the organization and management of the College is supportive and functions efficiently and effectively towards attaining goals and objectives of the institution.

The follow-up action of the first assessment report is seen in the establishment of formal grievance redressal mechanisms for students, faculty and non teaching staff members. The motivation and encouragement offered to faculty members by the Management to participate in refresher and orientation courses, seminars and workshops is a positive step towards quality enhancement. The management has conducted workshops for the non-teaching staff to improve their efficiency.

#### **CRITERION VII : HEALTHY PRACTICES**

The College has developed deep sensitivity to changing educational and social demands by emphasizing creativity, originality and innovation. It has well defined goals covering academic, co curricular and extra curricular activities and these goals are made known to all the constituents of the College. Academic programmes in the college grew in numbers and quality with the addition of vocational courses, undergraduate and post graduate courses. The interest of the College in academic audit is evident in the accreditation process it has subjected itself in 1999 and the re-accreditation in 2006. ICT was introduced and moderately used to bring efficiency and quality in the system. The IQAC was established in the college for quality enhancement. The College has branched out into the area of self-financing courses.

The following best practices are identified :

- Redefining of goals and objectives and working towards its achievement.
- Continuous monitoring of Students' Cumulative Record (SCR) from the year of entry point to the final year and the introduction of Teacher-Ward System.
- Intimation to parents of marks secured in tests and attendance of students.
- Introduction of academic programmes with the addition of vocational courses, undergraduate and post graduate courses.
- Encouragement to teachers to attend seminars, workshops and conferences as well as refresher and orientation courses.
- Remedial courses for English and tutorials in Mathematics and English.
- Promotion of research related activities among students and faculty members including research projects, seminars, conferences and workshops and establishment of the Research Promotion Cell.



- Development of research culture among students' surveys of Villages and social issues are being undertaken by the college.
- Establishment and functioning of I.Q.A.C. from 2004 – 05 under the guidance of 'Quality Advisory Committee'.
- Conducting entrepreneur development workshops to train the students in the manufacturing of soaps, phenyl and compost fertilizer.
- Extension activities through NSS, NCC (Boys and Girls), CWSS and PEC.
- Value based education through various activities such as shramdan to highlight dignity of labour, familiarizing life and work of national leaders, yoga and meditation sessions and observance of national days and anniversaries.
- Publication of quality college magazines and wall magazines to encourage the creative writing skills of the students.
- Clubbing the slow learners with advanced learners to benefit both and prizes for advanced learners.
- Use of Information Technology in enhancement of quality in higher education such as library automation and use of internet.
- The Committee system of functioning for the effective administration and management.

### SECTION III : OVERALL ANALYSIS

On the whole, the J. B. College of Science has emerged as a center of higher education, attracting students from Vidarbha area. Even though the unit cost of education per student is high, the College is placed in high ranking in several circumstances, in view of good infrastructure facilities and deep rooted practices anchored in excellence. The teachers, students, the Principal and especially the management have built tremendous amount of goodwill among the public and within themselves. Today this institution is an example of good performance maintaining and sustaining the existing tradition. In a period of rapid growth of an institution, freedom and authority must go, hand in hand, with responsibility and accountability and in the case of this institution a balance has been attained. The College can look forward to a future of sustained growth and eventually emerging as a national institution of excellence.

### COMMENDATIONS :

- Exemplary Management practice that is transparent, honest, diligent and full of integrity is indeed commendable.
- The aspirations of the institution towards enhancement of quality and pursuance of excellence by establishment of IQAC and seeking re-accreditation is appreciated.





- The dedication and involvement of teaching and non-teaching staff and the sense of belonging and pride in the institution of all the stakeholders is the strength of the institution.
- The attempt at introducing new courses of study is a recognizable endeavour.
- The staff welfare activities through the Credit Cooperative Society is commendable.

#### **RECOMMENDATIONS :**

- The College may consider introducing more career oriented and add-on courses as well as short-term, self financed certificate and post-graduate diploma courses.
- There is a need to introduce courses related to functional and communication English, as well as entrepreneurial skill development programmes.
- The Shiksha Mandal Management may pursue the concept of inter-disciplinary and multi-disciplinary concept of cluster-based courses across the sister institutions under its aegis. These courses could be job oriented and global in its approach and practice.
- Remedial coaching may be expanded to include more students in need.
- There is a need to reduce the drop out rate.
- The practice of using the student and teacher made materials and kits for practical in Physics, Electronics and Computer Departments is a commendable effort and this practice may be emulated by other departments.
- In pursuance of excellence, efficiency and enhancement of quality and functioning of IQAC and QAC as well as placement and Career Guidance Cell need to be strengthened.
- The library needs to purchase latest text books as per revised courses. It should also pursue connectivity with other libraries through INFLIBNET etc.
- Final year B.Sc. students may be provided open access in the library.
- Maintenance of infrastructure process needs to be streamlined and improved; especially old laboratories, cleanliness of toilets, etc.
- While there has been an improvement and increment of facilities, space for girls common room and toilets for both boys and girls need to be increased.
- The College would take a giant leap forward by working towards a fully automated campus with processes such as admission, fee collection, pay roll preparations, attendance and performance appraisal incorporated.
- While the College does have some research activities, these need to be strengthened across departments and more project grants spanning wider range of subjects should be sought from national and international agencies.
- The College may consider pursuing granting of autonomous status by the University.
- There is a need to start canteen facility for staff and students as well as common room for non-teaching staff.
- The teaching faculty members need to be encouraged to become members of professional associations in their subject matter specializations.



- Guidance and training be imparted for competitive examinations.
- Educational tour to industries may be organized for various departments.
- Grants from UGC for Women's Hostel may be availed especially to attract out station female students.
- Language laboratory may be established with support from UGC.
- Internet facilities may be strengthened and expanded.

### Signatures of Peer Team

**Prof. Veena R. Mistry**

Chair Person

  
Signature 22/01/06


**Prof. Rajan Varughese**

Member

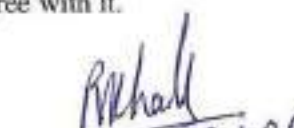
  
Signature 22/01/06

**Prof. P. Subhash**

Member

  
Signature 22/1/06

I have read the report and agree with it.

  
22-1-06  
**Shri P.M. Kharche**  
Officiating Principal  
Jankidevi Bajaj College of Science  
WARDHA - 442001  
MAHARASHTRA.

January 22<sup>nd</sup> 2006



**Officiating Principal,  
J. B. College of Science  
WARDHA,**