

**महाराष्ट्र शासन**  
**शासकीय विज्ञान महाविद्यालय, गडचिरोली**  
**चामोशी रोड, गडचिरोली**

नॅक बंगलोर व्दारा पुनर्मुल्यांकन "ब" श्रेणी

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**Action taken report based on the recommendations for Quality enhancement of the institute NAAC 2014**

Sr. No.	Recommendations	Action taken
1	Introduce more UG and PG programmes with separate PG block	<p>Government Science college Gadchiroli is government college, therefore college has to take permission from Maharashtra Government for starting new courses.</p> <ul style="list-style-type: none"> <li>• College submitted proposal to Maharashtra Government to convert the college in to Institute where five new post graduate courses were proposed.</li> <li>• College sent proposal to RUSA for conversion of existing college to Model degree college.</li> </ul> <p>Proposals are available on college website in IAQC initiatives menu.</p> <p>DPC Gadchiroli provided the funds for infrastructure development of college. Using these funds, college constructed new floor in existing college building. In new construction, eight classrooms, one reading room, one language laboratory, competitive examination section, physics laboratory and botany laboratory were established. As Physics and Botany departments shifted on first floor, additional space was allotted to Zoology and Chemistry department.</p> <p>In last five years, more than 10000 sq feet area is added to existing building. Similarly one boys and two girls hostels and auditorium was established in college campus in last five years.</p>
2	Obtain UGC recognition and introduce choice based credit system	<p>College has 2f status. As Gondwana University don't have 12B status, therefore getting 12b status to college is not possible. We will apply for 12b status as Gondwana</p>



		University gets the 12b status. The choice based credit system has been implemented in college from 2017-2018 for UG and 2016-2017 for post graduate courses.
3	Upgrade practical and research laboratories with instrumentation facilities.	<ul style="list-style-type: none"> <li>• In last five years more than 3 crore rupees has been invested in purchase of instruments and infrastructure development of college.</li> <li>• Funds received from Maharashtra Government, RUSA and DPC Gadchiroli were utilized to purchase the instruments of Rs. 2.64 crores and instruments are installed in Botany, chemistry, physics and Zoology department.</li> <li>• In each department separate instrumentation facility and research laboratories are developed.</li> <li>• Instruments such as Scanning electron microscope, 2D IEF gel electrophoresis system, Impedance analyzer, PE hysteresis loop tracer, fluorescence microscope etc installed in research laboratories of each department.</li> </ul>
4	Upgrade Library with full automation and additional reference books journal, E-resources, computers with internet facility and wifi connectivity	<ul style="list-style-type: none"> <li>• Library is upgraded by purchasing books of more than 22 lakhs which include reference books, monographs, journals, special reports.</li> <li>• Subscription of journal and online resources (DELNET, INFLIBNET) was purchased and made available to students and teachers.</li> <li>• SOUL 2.0 software along with server and bar code reader was purchased and data entry work is going on.</li> <li>• Three new computer laboratories were established (Computer laboratory with 22 computers, e resource centre with 10 computers and language laboratory with 21 computers).</li> <li>• Wifi network was established in college campus which included Wireless controller (can handle 50 access point at a time with more than thousand users at a time), 22 wireless access points, LAN network, PoE switches, firewall, etc.</li> </ul>



		<ul style="list-style-type: none"> <li>• More than 150 LAN points are available in the college.</li> </ul>
5	Enhance quality of research, publication and strengthen college industry interaction	<ul style="list-style-type: none"> <li>• Quality of research has been significantly improved. Faculty members published more than 25 publications in good impact factor journals.</li> <li>• Faculty members are working as reviewer for several international journals (Journal of Alloys and compounds (Elsevier), Solid State Sciences (Elsevier), Nanoscale advances, Nature Scientific reports, Aquaculture Journal (Elsevier), African Journal of Microbiology, Journal of Threatened Taxa, Journal Medical and Veterinary Microbiology).</li> <li>• Faculty member Dr. Mandar Paingankar is associate editor of Journal of Threatened Taxa.</li> <li>• Gadchiroli is remote and tribal area therefore there is very less scope to strengthen college industry interaction.</li> </ul>
6	Employment of more qualified faculty on permanent basis and reduce dependence on contractual teachers	Government Science college Gadchiroli is government college, therefore recruitment of teachers has been carried out by Higher and Technical education department of Maharashtra Government. The requirement of teaching and non-teaching staff has been conveyed to Higher education department of Government of Maharashtra. The ministry will take necessary action soon.
7	Strengthen the alumni association and parent teacher meeting	Alumni and parent interactions are improved. Several alumni and parent teacher meetings are conducted in last five years.
8	Establish placement cell and strengthen its activities	Placement cell has been established.
9	Generate funds for research and infrastructure from National funding agencies like DST, DBT, CSIR etc.	As college don't have 12b status, therefore it is difficult to get research grants from funding agencies. Dr. Mandar Paingankar, Zoology Department, received the research grant from SERB-YS DST Government of India.

*M. Paingankar*

IQAC Coordinator

Government Science College Gadchiroli

*M. Paingankar*

Principal

Government Science College Gadchiroli





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**Action taken report based on the Internal Quality Assurance Cell (IQAC) meetings held in academic year 2015-2016**

Sr. No.	Suggestion	Action taken/Initiated
1	Academic Plan and extension activities calendar	Academic Plan and extension activities calendar was prepared by faculty members and submitted to respective department/committee
2	Implementation of new teaching methods	Faculty members started using the modern teaching tools such as use of ICT tools, audio and visual clips for teaching
3	Library staff suggested to find the gap between their existing knowledge and new technology updated.	Dr. Chungade Librarian attended the refresher course.
4	Committee suggested purchasing and implementing the digitalization of library from next semester.	Purchase of SOUL software, server and barcode reader approved by committee and installed in the library. Digitization work is started.
5	Committee suggested that teachers should participate in the Refresher and Orientation programmes.	Faculty members attended the Refresher and Orientation programmes.
6	Reforms in Performance -	the mechanism for ensuring timely, efficient and periodic-progressive performance of academic, administrative, research and extension activities on regular basis was discussed and implementation started
7	Reforms in Teaching -	Faculty members are advised to focus more on application side without compromising theoretical knowledge
8	Reforms in Examination -	A separate examination control room for smooth conduct of University and college examinations was created. Examination section developed with computer, printer and other facilities for conducting examination.



9	Up-gradation of library -	Purchase of new reference books relevant to latest knowledge in field was carried out
10	Committee decided to prepare the proposals for submission to district Planning Commission Gadchiroli and RUSA for financial assistant.	Proposals were made and submitted to district Planning Commission Gadchiroli and RUSA for financial assistant.
11	Review of the overall academic plan and progress of students	The overall academic plan and progress of students was reviewed.
12	To devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher and technical education.	Committee is formed to devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher and technical education.
13	All teachers are requested to submit the relevant information required for Annual Quality Assurance Report (AQAR)	Annual Quality Assurance Report (AQAR) prepared and submitted
14	Academic Calendar for the next academic year	Academic Calendar for the next academic year was prepared and uploaded on website

  
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**Action taken report based on the Internal Quality Assurance Cell (IQAC) meetings held in academic year 2016-2017**

Sr. No.	Suggestion	Action taken/Initiated
1	Quality enhancement of academic and research activities	A committee is formed to conduct various activities to improve the academic and research quality
2	Submission of department wise action plan for the academic year	All departments prepared and submitted the action plan for the academic year
3	Formulation of new formative assessment methods such as multiple choice question paper pattern for under-graduate students, surprise test for post-graduate, seminars on assigned topics	New formative assessment methods were prepared and implemented
4	Process of setting quality benchmarks for the various academic administrative, research and extension activities of the university.	A committee is formed to make policies to design the process of setting quality benchmarks for the various academic administrative, research and extension activities of the university.
5	Preparation of list instruments required for practical courses and research	All departments prepared the list and submitted to IQAC.
6	Free internet facility and access to eBooks for staff and students in the library e-resource centre.	Wifi access points, LAN network and wireless controller purchase process started.
7	Result analysis of Summer 2016 examination	Result analysis team presented the result analysis of Summer 2016 examination
8	Committee decided to develop a new reading hall.	Reading hall with capacity of 120 students was created on first floor of college.
9	Committee encouraged faculty members to apply for Ph. D. guideship under Gondwana University.	Three faculty members applied for Ph. D. guideship under Gondwana University.
10	Committee members suggested an initiative to improve the students' performance in placement process is necessary and committee should	Placement cell was established.



	be formed to guide students how to face interviews and improve public speaking.	
11	Each department is entrusted to review the assignments every year to make it more creative and focused.	Necessary actions were taken by the each department.
12	Committee decided to incorporate a session on "Awareness on Prevention of cyber-crime" in every semester.	Few sessions with help of Cyber crime branch of Gadchiroli district were conducted on "Awareness on Prevention of cyber-crime".
13	Strengthening of Anti-tobacco movement	Strengthening of Anti-tobacco movement was initiated.
14	Research activities review	The overall research plan and progress of research students was reviewed.
15	Participation in the refresher and orientation programmes.	Faculty members participated in the refresher and orientation programmes.
16	Poster Competition, Quiz competition for Post –Graduate and under –Graduate students.	Poster Competition, Quiz competition was conducted for Post –Graduate and under – Graduate students.
17	Science Day	Science Day celebration was carried out
18	Proposal for DPDC grant	Proposal for infrastructure development of college was prepared and submitted to District Planning Committee of Gadchiroli.
19	Academic Calendar for the next academic year	Academic Calendar for the next academic year prepared and uploaded on website
20	Furniture Purchase utilization of DPC grant	DPC grant of Rs. 1 crore was utilized for purchase of furniture of hostels, library, laboratory and classrooms
21	Annual Quality Assurance Report (AQAR) of college for 2016-2017	Annual Quality Assurance Report (AQAR) of college for 2016-2017 prepared and submitted.

*[Signature]*

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Government Science College Gadchiroli

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**Action taken report based on the Internal Quality Assurance Cell (IQAC) meetings held in academic year 2017-2018**

Sr. No.	Suggestion	Action taken/Initiated
1	Challenges in implementation of UGC Regulation were discussed.	Challenges in implementation of UGC Regulation were discussed.
2	New API system rules and regulation	New API system rules and regulation were discussed in detail.
3	All departments are requested to submit their action plan for the academic year (2017-2018)	All departments are prepared and submitted their action plan for the academic year (2017-2018)
4	Restructuring of the existing infrastructure to provide space for additional labs and reading room/Library	Discussion was carried out with PWD deputy Engineer for restructuring of the existing infrastructure to provide space for additional labs and reading room/Library
5	Feedback from students	Feedback from students on course evaluation from various departments was discussed and improvements in teaching methods were suggested.
6	Improvements in the student evaluation process	Improvements in the student evaluation process were discussed in details. Use of Plickers recommended by the committee members in evaluation process.
7	Reforms in the internal examination	Suggestions given to each department to use two sets of question papers, with same difficulty level questions for internal examination of each subject.
8	Incorporation of sessions on value based education	Incorporation of sessions on value based education in each semester was discussed.
9	Result analysis of summer 2017 semester and overall academic plan and progress of students	Result analysis team presented report on result analysis of summer 2017 semester and overall academic plan and progress of students was reviewed.
10	Classroom management, supportive, student-oriented classroom climate, and cognitive activation	Committee discussed on classroom management, supportive, student-oriented classroom climate, and cognitive activation to make teaching learning process more student friendly.
11	Implementation of three dimensions of classroom teaching practices	Committees discussed on three dimensions of classroom teaching practices which are



	which are identified in TALIS 2008	identified in TALIS 2008: structuring, student orientation and enhanced activities. Zoology Department volunteered to implement these practices on trial basis for post graduate students. Committee also discussed on how to implement three dimensions of classroom teaching practices: (a) enhanced activities including challenging tasks and content, (b) student oriented, supportive practices and (c) teacher-directed practices.
12	Second installment of RUSA grant (60 Lakhs) utilization	Principal presented the plan for utilization of second installment of RUSA grant (60 Lakhs). It has been decided to utilize the second installment of RUSA grant for canteen building construction.
13	Use of E-Courses and E-Contents in teaching	Discussion on use of E-Courses and E-Contents in improving the learning process was discussed in detail. Committee encourages teachers and students to subscribe for Coursera like e learning courses.
14	Training programme for teachers for teaching theory and practical proposed in revised syllabus (B. Sc. I Semester II and M. Sc. semester IV).	Committee decided to conduct a one-week training programme for teaching teachers for theory and practical proposed in revised syllabus (B. Sc. I Semester II and M. Sc. semester IV).
15	Members suggested that dissemination of knowledge should be encouraged through seminars.	Special seminar series was arranged in all departments.
16	Gender sensitization sessions (apart from the curriculum) should be conducted in the College.	Gender sensitization sessions were conducted in the College.
17	Establishing a Skills Development Laboratory was another idea that could be considered.	Initiatives were taken to establish Skills Development Laboratory.
18	Science day Celebration	Science Day was celebrated in the College.
19	Proposal for DPC grant 2018-2019	Proposal for DPC grant 2018-2019 was prepared and submitted.
20	RUSA 2.0 proposal preparation	RUSA 2.0 proposal prepared and submitted to RUSA.
21	Model Degree College proposal preparation	Model Degree College proposal was prepared and submitted to RUSA.
22	Preparation of Academic Calendar for the next academic year	Academic Calendar for the next academic year was prepared and uploaded on the website.
23	AQAR submission	AQAR submitted for year 2017-2018

*(Signature)*

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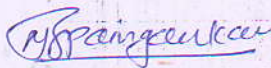
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Action taken report based on the Internal Quality Assurance Cell (IQAC) meetings held in academic year 2018-2019


Sr. No.	Suggestion	Action taken/Initiated
1	All departments are requested to submit their action plan for the academic year 2018-2019.	All departments submitted their action plan for the academic year 2018-2019.
2	The issues involved in quality enhancement of academic and research activities.	Committee discussed the issues involved in quality enhancement of academic and research activities.
3	Implementation of learning management systems in college	Various learning management systems were discussed and decided to implement Piazza learning management system at post graduate level.
4	Result analysis	Result analysis team presented result analysis for summer 2018 semester.
5	Feedback forms online submission	The existing student feedback system was discussed and changes in the form were suggested by the team. Committee decided to use online feedback form to collect feedback from students from the winter 2018 session.
6	Learning management system	Zoology department implemented Piazza learning management system for post graduate students. Advantage and limitations in implementing learning management systems was discussed in detail.
7	Research-related activities in the college involving and benefitting both students and faculty.	A Research Committee was set up to organize/supervise research-related activities in the college involving and benefitting both students and faculty.
8	New reference books for revised syllabus	New reference books according to new syllabus and recommendations from students were purchased.
9	Explore the possibilities of	Committee decided to explore the



	research networking with other institutions.	possibilities of research sharing and networking with other institutions. Decided to make MOU with institute of Science Nagpur.
10	Performance of academic, administrative, research and extension activities	Performance of academic, administrative, research and extension activities was reviewed by committee. Committee discussed on making all educational activities conducted by the college progressively relevant and meaningful to society through collaboration with intellectual and social resources
11	Implementation of learning management system in college	Dr. Paingankar and Dr. Syed Abrar Ahmed presented brief report on enrollment of students of M.Sc. I and M.Sc. II in learning management system Piazza. Committee also suggested working on Moodle learning management system and implementing it at the earliest.
12	Instrument Purchase utilization of DPC grant	DPC grant of Rs. 54 laks was utilized for purchase of instruments such as Impedance analyzer, PE hysteresis loop tracer, CO <sub>2</sub> incubator, Gel documentation system, Fluorescence microscope, Flame photometer,
13	Establishment of WiFi, LAN and CCTV network in college	WiFi, LAN and CCTV network was established in college with wireless controller, 20 Wireless access points, 120 LAN points, Server and firewall
14	Science day Celebration	Science Day was celebrated in the College.
15	Proposal for DPC grant 2018-2019	Proposal for DPC grant 2019-2020 was prepared and submitted.
16	Preparation of Academic Calendar for the next academic year	Academic Calendar for the next academic year was prepared and uploaded on the website.
17	AQAR submission	AQAR prepared and submitted for year 2018-2019

  
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