



Karnatak University Dharwad
NAAC "A" Grade 2022

Prof. Ravindra R. Kamble
Chairman
Department of Chemistry
Mob: +91-9449264997
E-mail: ravichem@kud.ac.in

04.01.2023

To,

The Principal
Karnatak Science College
Dharwad – 580003

Sub: Submission of AAA Report - Reg

Ref No. KSCD/2023-24 Dated: 18.12.2023

Madam,

With reference to the above, I am herewith submitting the Academic Administrative Audit (AAA) committee report visited to your college on 27.12.2024.

Kindly acknowledge the receipt of the same.

Thanking you

Yours faithfully

CHAIRMAN

P. G. Dept of Chemistry
Karnatak University, Dharwad-3

Enclosure: AAA committee Report

M. Sahas
4/1/2024

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD**

Academic and Administrative Audit (AAA) Committee

Report

for the years 2021-22 and 2022-23



**Submitted to
The Principal
Karnatak Science College
Dharwad
December, 2023**

Report of Academic and Administrative Audit (AAA) Committee

Visit on 27th December 2023 for the years 2021-22 and 2022-23

to

Karnatak Science College, Dharwad

(A constituent College of Karnatak University, Dharwad)

Karnatak Science College is a coeducation constituent college of Karnataka University, Dharwad established in the year 1958. Prof. (Smt) M. S. Salunke is the Principal and Prof. L. T. Nayak is the Coordinator of IQAC. The college is included under Section 2f and 12 (B) of the UGC Act, 1956. It was accredited for the third cycle in 2019 with CGPA of 2.22 and got B Grade and the accreditation validity ends on 03.03.2024. The IQAC was established in the year 2001 and a committee consisting of 18 members has been formed. The primary aim of the IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

Karnatak Science college offers undergraduate programs viz., BSc, BCA and BSc (Computer Science) with the combinations having the subjects such as Botany, Computer Science, Chemistry, Criminology & Forensic Science, Geography, Geology, Mathematics, Physics, Zoology, Statistics, Biotechnology, Microbiology and Genetics. Post-Graduate courses in Chemistry, Mathematics, Physics and Botany are offered at this college and are Self-Finance.

In case of Under-Graduate Programs, there are 27 courses offered under CBSC Scheme with the option of choosing the Open Elective courses. This has provided a flexibility of opting the course of their choice. Interestingly, the college has started the curriculum as per NEP- 2020 guidelines and is offering the Under-graduate courses with two major subjects along with Skill Enhancement Course (viz., Digital Fluency and AI). Post-Graduate courses are offered under CBSC Scheme. There are a total of 1620 and 1711 students for the year 2021-22 and 2022-23 respectively with the students of BSc/BCA/BSc (CS) at the entry level. The total number of PG students is 225 and 260 for the years 2021-22 and 2022-23. The admission to these programs is based on meri-cum-roster as per the rules and guidelines of Government of Karnataka as and when notified by the Karnatak University. Hence, the students belonging to all the social backgrounds have been represented proportionately during the enrolment. Many of the teaching staff are the recognized

Research Supervisors and hence PhD programs are offered in the subjects such as Botany, Zoology, Criminology/Forensic Science, Geology, Geography, Chemistry and Physics. Some of the Research Supervisors have received the Research grants from the DST, New Delhi and KU Dharwad. The college has several Instruments housed at various departments. Along with these, the Research Scholars are utilizing the Instrumentation facilities also at USIC, DST-SAIF centre and DST-PURSE, Karnatak University Dharwad. Out of 83 Research Scholars, 14 have received National or State level Fellowship URS studentship. During this year 5 students have received the PhD degree.

1. Dissemination of information on various quality parameters of higher education is the main function of the IQAC. In this regard, organizing inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles, documentation of the various programs/activities leading to quality improvement are the main aims of the IQAC. In this regard, IQAC in the college has prepared the plan of action and is conducting its activities for the enhancement of quality of education.
2. The demand ratio for BSc is --- per vacancy; BCA: --- per vacancy; BSc (CS): --- per vacancy.
3. The Passing percentage at aggregate level: BSc 87%; BCA 95.45%; BSc (CS) 92.1%. For M.Sc. (Chem):69.44%, MSc (Phy): 84%, MSc (Maths) 100%, MSc (Bot, II Sem) 100%.
4. The college has 88 full-time teachers as against 98 sanctioned posts. Of these, the number of teachers with PhD is 55. The number of teachers recognized as Research Supervisors is 22.
5. The Teacher to student ratio (average) is 1:33.6.
6. The college has very good infrastructure. There are full-fledged 32 class rooms and seminar halls with adequate space. The infrastructure for the both the UG and PG laboratories are excellent. There are more than 80 PCs provided for the use of Students. Few of the lecture halls have been provided the ramps for differently-abled persons. The museums in the departments of Botany, Zoology, Criminology/Forensic Science, Geology and Geography) are the important places of the learning. These museums are managed very well and need a special mention.
7. The curriculum has been revised during 2020-21 for CBCS and from 2021-22 the college has adopted curriculum according to NEP - 2020.

8. The Theory and practical examinations, evaluation of answer scripts and declaration of results have completed as per the K U guidelines. The exam related issues/grievances have been resolved satisfactorily.
9. The College has very active NSS and NCC units. a) The NSS activities include the plantation program, plastic awareness program, Fit India Run Program, World water day and Anti Terrorism Day. Some the NSS volunteers have attended the National Integration Camp and Youth parliament program and various other activities. b) The NCC cadets have also made several achievements. Some of the cadets have attended the National Integration and Army attachment camps held at various places in Karnataka.
10. The college through Department of Computer Science has signed the MoU during this academic year with My Smart Shala Edu-Easy India Pvt. Ltd. Belgavi and Apponix Technologies Pvt. Ltd. Bangalore. With the later firm the college has organized the Hands on Training Workshop.
11. Feedbacks have been collected and analyzed from all the stakeholders and the action reports have been mentioned in the AQAR report.
12. The Program outcomes (POs) and course outcomes (COs) have been prepared in the CBCS as well as NEP curriculum.
13. Except for a few Minor Research Projects no research grants have been received.
14. The departments such as Chemistry, Physics and Botany are actively engaged in Research. The teachers and research scholars have published 89 papers in the international journals and 08 papers in national journals. The number of national/International conferences attended by the teachers is 63. Book Chapters/Books authored are 04. Four of the faculty members have been selected for awards and recognitions. Some of the Teachers have collaborations/ linkages with other institutions. But there are no documents signed to show in this regard except the joint publications.
15. The college has conducted 15 extension activities through Physics, Chemistry, Maths, Botany departments. IQAC of the college takes active participation in these activities.
16. The Central Library (VK Gokak Library) housed 130253 books during the year 2021-22 which increased to 131358 during 2022-23. There are 3135000 e-books through N-list and 6000+ e-journals are available. The college library has e-Lib software 16.2 version 2004.

17. The college has mediated in getting scholarships to the students by the government as well as from NGOs.
18. The students of the college have passed national level test (KSET/NET/GATE/GRE) etc but the data is not made available. Some of the students have obtained the rank at the university level.
19. There is no accurate data to support the progression of the students to higher studies and the placements.
20. Administrative machinery is expected to implement the e-governance immediately.
21. The college has two hostels for UG and PG boys and girls. There is health centre in the college catering to the needs of the staff as well as the students.

In view of the above, the AAA committee congratulates the Principal, IQAC Coordinator, Staff and Students and the stakeholders for the appropriate, excellent academic and administrative performance.

22. Criterion-wise Recommendation are shown below:

Sl. No.	Criterion	Recommendations
1.	Criterion I–Curricular Aspects	1) Curriculum enrichment is to be done.
2.	Criterion II–Teaching, Learning and Evaluation Aspects	1) Strategy for the advance & slow learners shall be prepared and implemented. 2) Student centric teaching methods need to be framed and highlighted. 3) Student satisfaction survey has been obtained and in this regard Action Taken Report is to be made available.
3.	Criterion–III: Research Innovations and Extension	1) All the teachers should be encouraged to submit the research proposals to the funding agencies. 2) Research publications and award certificate to be given with links for relevant document to support the claim. 3) College webpage should indicate the research papers per teachers in the Journals as notified in the UGC CARE list. 4) Some of the teachers are providing consultancy to the firms. However, the consultation policy be framed. 5) The list of MOU's needs to be given with complete details.
4.	Criterion– IV : Infrastructure and Learning resources	1) The college should make proper maintenance of the existing infrastructure. 2) University should have centralized Drinking water purifier plants. 3) The college should have washrooms for physically challenged persons. 4) Conveyance for Physically handicapped students should be provided wherever required.

		5) Efforts be made for optimum utilization of learning resources on the campus
5.	Criterion-V: Student Support and Progression	<p>1) The college has alumni association with 1377 members. However membership drive for the Alumni association shall be undertaken with full vigor and interest. A separate cell with adequate infrastructure may be provided on the campus to undertake their regular activities.</p> <p>2) The certificates pertaining to various competitive examinations like UGC-JRF, NET, CSIR-JRF, KSET, etc may be collected and maintained.</p> <p>3) Placement letters from state/centre/private Company/ organizations shall be procured and maintained.</p>
6.	Criterion-VI : Governance, Leadership and Management	<p>1) The college should prepare the action plan every year for their academic and administrative activities.</p> <p>2) Efforts should be made by the college to generate funding from the local corporate bodies and philanthropists.</p> <p>3) College shall encourage the teaching staff for resource mobilization from different funding agencies for carrying out research and consultancies.</p>
7.	Criterion - VII : Institutional Values and Best Practices	<p>1) The college should identify the potential best practices, should strengthen at least two best practices to showcase in the SSR.</p> <p>2) The University should regularly carry out various quality audits, viz., green audit, energy audit, gender audit from the authorized agencies.</p>

SWOC Analysis:

Strengths

1. The college has adequate infrastructure facilities supporting teaching learning and research activities.
2. The college has a state-of-the-art library with good number of print and digital resources, e-journals and ICT facility.
3. College manages the online payments and receipts through a dedicated portal system (UUCMS).
4. Science laboratories have latest scientific equipments and systems for carrying out applied and useful research programs.
5. College has an adequate number of hostel facilities for boys and girls.
6. High quality research and research output in the form of publications of higher citation index, impact factor and *h* index.

7. College has active NSS and NCC units engaged in various programs for national integration and social services.

Weaknesses

1. Maximum sanctioned posts are vacant.
2. Lack of orientation for the use of ICT in day to day administration.
3. Less number of research projects funded by the various funding agencies.
4. Placement cell is not actively functioning.
5. There are no Industry-College collaboration programs for teaching and research, consultancy and extension activity.

Opportunities

1. Looking at the research credentials of the faculty, collaborative research and College-Industry interfacing could be a potential opportunity with scope for consultancy.
2. To elevate the professional skill level of the graduates to compete with the changing demands in corporate and Government sectors.
3. College is having potential for changing ecosystem in higher education.
4. Good support from Karnatak University for infrastructural management.

Challenges

1. Few of the departments such as Electronics (Under-Graduate) Physics (Post-Graduate) are facing the steeply reduced in-take.
2. The declining trend in the budgetary allocations for the recurring and nonrecurring expenditure.
3. Constraints in enhancing fee structure matching with the funds requirements of the College.

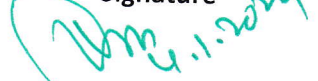



General Recommendations

Based on the above observations, strengths, opportunities, weaknesses and the challenges, the committee made the following general recommendations to the College to achieve excellence in teaching, research and extension activities.

- 1) The college with the help of University should take necessary measures to fill up all the vacant positions in teaching and non-teaching posts.

- 2) College should make a provision for proper up-keeping of the physical infrastructure on the campus.
- 3) The college should undertake initiatives for installation of solar power plant on the academic and administrative buildings.
- 4) Wastewater management and Sewage treatment plant need to be established in the campus and exhibit it as the Best Practice.
- 5) Student centric programs and industry-oriented curriculum needs to be designed and implemented.
- 6) The faculty profile, achievements of the Statistics and Mathematics staff are not shared with the College. Hence, it may be shared with faculty profile of KSCD.
- 7) The language departments are shared by Karnatak Arts College and Karnatak Science College. But, required number of the teachers either be redeployed or appointed.
- 8) General council meeting is to be conducted regularly as per the guidelines.
- 9) The 4th cycle of NAAC assessment is due in the year 2024, IQAC has to prepare the year-wise quantitative data, documents, etc for the final compilation of SSR and its successful submission.
- 10) The college with the assistance of IQAC is expected to strive to earn higher grade as the college possess the requirements for NAAC accreditation.

Members of the AAA committee

1. Prof. Ravindra R. Kamble Department of Chemistry, K U Dharwad	Chairman	 4.1.2024
2. Prof. M. K. Rabinal Department of Physics, K U Dharwad	Member	
3. Prof. S. N. Agadi Department of Botany, K U Dharwad	Member	 4/1/2024
4. Prof. Shivashankar Department of Botany, K U Dharwad	Member	 4/1/24