# YEARLY STATUS REPORT - 2020-2021

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1.Name of the Institution** | **KARNATAK SCIENCE COLLEGE, DHARWAD** |
| • Name of the Head of the institution | **Dr. S. C. Chougala** |
| • Designation | **Principal** |
| • Does the institution function from its own campus? | **Yes** |
| • Phone no./Alternate phone no. | **08362215410** |
| • Mobile no | **9481124212** |
| • Registered e-mail | **kcdnaac@gmail.com** |
| • Alternate e-mail | **principal.kscd@gmail.com** |
| • Address | **College Road, Near All India Radio, Dharwad** |
| • City/Town | **Dharwad** |
| • State/UT | **Karnataka** |
| • Pin Code | **580001** |
| **2.Institutional status** | |
| • Affiliated /Constituent | **Constituent College, Karnataka University, Dharwad** |
| • Type of Institution | **Co-education** |
| • Location | **Urban** |

| | |
|---|---|
| • Financial Status | **UGC 2f and 12(B)** |
| • Name of the Affiliating University | **Karnatak University, Dharwad** |
| • Name of the IQAC Coordinator | **Dr. L. T. Nayak** |
| • Phone No. | **9448746967** |
| • Alternate phone No. | **08362215400** |
| • Mobile | **9844001157** |
| • IQAC e-mail address | **kscdiqacvision2324@gmail.com** |
| • Alternate Email address | **principal.kscd@gmail.com** |
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | **http://www.kscd.ac.in** |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | **http://kscd.ac.in/IQAC/AQARC/AQAR _2020-21_Part-A/Cal20-21.pdf** |

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 2** | **A** | **3.26** | **2009** | **25/09/2009** | **24/09/2014** |
| **Cycle 3** | **B** | **2.22** | **2019** | **26/09/2019** | **03/03/2024** |

| **6.Date of Establishment of IQAC** | **01/06/2001** |
|---|---|

**7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

| Institutional/Depa rtment /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| **Chemistry** | **SERB** | **SERB, New Delhi** | **2016 4 years** | **4192144** |
| **Geology** | **SERB** | **SERB, New Delhi** | **2018 3 years** | **2310000** |

| **8.Whether composition of IQAC as per latest** | **Yes** |
|---|---|

| NAAC guidelines | | |
|---|---|---|
| • Upload latest notification of formation of IQAC | View File | |
| **9.No. of IQAC meetings held during the year** | **2** | |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | **Yes** | |
| • If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded | |
| **10.Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** | |
| • If yes, mention the amount | | |

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

**\* Induction programme for freshers (Students admitted to B.Sc., BCA and B.Sc.(CS), M.Sc. Physics, Chemistry and Mathematics) has been conducted on 5th and 6th of February 2021 to introduce to the newly admitted students, all the teachers from different departments, the different courses offered in the college, infrastructure in the campus, facilities available, responsibilities of the students, different cells in the college to monitor the students academic progression, health centre facility, banking facility, NCC, NSS, gymkhana facilities, Students welfare committee, an placement cell among many others. \* IQAC conducted a one day National Workshopon "NAAC ASSESSMENT & RE-ACCREDITATION: AN INSIGHT"on the 16th December 2020. Dr. Sujatha Shanbagh, Advisor, National Assessment & Accreditation Council (NAAC), Bengaluru, Karnataka and Dr. Madhukar B.S., Former Advisor and General Council Executive Committee Member in NAAC, Bengaluru, Karnataka were the resource persons. A total of 89 participants from different parts of India participated in the webinar. The resource persons enlightened the participants about how to prepare AQAR and SSR for NAAC assessment. Many questions were raised by the participants, which were addressed by the resource persons in a befitting manner. The Webinar as a whole was appreciated by many participants. \* IQAC organized a one day virtual**

training programme on " Awareness on Intellectual Property Rights (IPR)" on 30-05-2021. Dr. (Smt). M. S. Annapurna Kishore Kumar, Assistant Professor, Dr. N. S. A. M. First Grade College, Bangalore spoke about the importance of IPR in scientific research, entrepreneurship, setting up of business, among many other aspects of IPR. She also emphasized the procedure to prepare and move an application for IPR, and the laws governing IPR policy. A total of 29 participants, including teachers and students, were present. Many interesting questions were raised by the participants, whichwere answered in a befitting manner by the resource person. * In view of Covid-19 pandemic and lockdown, IQAC organized a virtual training on "English Language Communication" in two sessions, on 12th and 13th May 2021. Dr. Manali Karmakar, Assistant Professor of English, School of Social Sciences and Languages, Central Vellore Institute of Technology, Chennai was a resource person. She delivered a lecture on the importance of language in communication, accents,proper attributes to be usedand grammar. She also demonstrated online exercises to the participants, and the mistakes committed by the participants were immediately rectified. On the second day, evaluation of the participants was done by conducting online test through google form, with multiple choice questions. There were 101 participants from different institutions and the response was tremendous. Similarly, on 14th May 2021, another virtual training programme was conducted in two sessions on "Soft Skill: The Necessity of 21st Century Students and Professionals". For 1st session, Sri. Anil Bhagwanrao Kamble, Assistant Professor, Department of English, Central University of Karnataka, Kalaburagi was resource person, who spoke on the topic "Soft Skill : Necessity of 21st century students and professionals". There were 40 participants. For the secondsession, Dr. Usham Rojio Singh, Assistant Professor, Department of English, Central University of Karnataka, Kalaburagi was theresource person. Dr. Singh spoke on " Impression Management Through Communication". A total of 34 participants benefited this training programme. * On 15-05-2021, a One day Virtual Virtual Training programme on "Online Academic Resources: Techniques for Retrieval and Use" was conducted. For the first session, Dr. Raghavendra B. Bonal, Assistant Librarian, Central University of Karnataka, Kalaburagi was the resource person, and he spoke on "Open Access E-Resources". He demonstrated the methods to access e-resources online, using power point presentations. A total of 34 participants benefitted. In the second session, Dr. Gopakumar, Librarian, Goa University, Goa spoke on "Literature Search Referencing and UGC CARE List". He presented a live demonstration on how to do the literature survey using different online gateways, how to present them scientifically and about the UGC CARE list journals. A total of 40 participants got the

benefit of this training programme.

**12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

| Plan of Action | Achievements/Outcomes |
| --- | --- |
| The short, medium and long term development plans have been formulated after suitable discussions at different levels, and the institution always adopts a bottom-up approach, with a strategic directive given from the top administrative authorities in the management. The following plans are projected. Plan of Action 1.Preparation of Calendar of Events for each academic year. 2.Plan to conduct Induction Programme for fresher's. 3.Plan to prepare AQAR report. 4.Plan to conduct Academic and Administrative Audit (AAA) & prepare report. 5.Plan to meet out Vision and Mission of the college. 6.Plan to conduct webinars on various subjects, skill and value based subjects to enhance the proficiency of students and staff. 7.Plan to invite entrepreneurs for short term training & placement drives. 8.Plan to conduct extension activities under the banner of NCC and NSS. 9.Plan to organize training programmes for faculty and students. 10.Plan to organize special lectures for students and staff from eminent scientists under the banner of "Science Association" and "Study circles". 11. Plan to motivate M.Sc. and Ph.D. students to clear NET/SLET/GATE and other eligibility exams. 12. Plan to | The college takes initiatives to implement the plans for better utilization of available human resources and infrastructure. Students' academic excellence, their empowerment and welfare is of prime importance while formulating the strategic plan. • College has a committee for the preparation of calendar of events for the year 2020-21. Accordingly, all the activities in the college were implemented. • Induction programme for the fresh students was conducted on 5th and 6th February 2021. • IQAC team of the college has been prepared and previous year AQAR report has been submitted on 17/09/2021 • Academic and Administrative Audit committee visited the college on 30/08/2021, and submitted its report on 20/09/2021. • IQAC organized series of webinars on various subjects like NAAC assessment and re-accreditation: an insight, One day virtual training on academic resources, IPR, two days Soft Skill programme on 16/12/2020, 15/05/2021, 30/05/2021, 13 and 14/05/2021, respectively. • Many awareness programmes on different issues have been organized by the NSS unit of our college, like the importance of face mask and social distance in controlling the spread of Covid-19 virus on 24/04/2021, |

| undertake best practices like "Seed dibbling" during study tours. 13.Plan to conduct study tours/field trips. | and a vaccination drive on 26/04/2021. • Department of BCA and B.Sc.(CS) of the college has conducted "hands on training cum certificate course" on Web Applications development skill, from 11th up to 21st February 2021. • In every department, M.Sc. students and research scholars have been inspired by their teachers to qualify in the screening examinations by doing suitable preparations in advance, as a result of which 14 students have qualified in eligibility examinations like NET, GATE, JAM, and SLET. • College had planned many more strategic plans and is eager to implement them. However, it was not possible to implement some of them due to Covid-19 pandemic lockdown. |
|---|---|

| 13.Whether the AQAR was placed before statutory body? | No |
|---|---|

- Name of the statutory body

| Name | Date of meeting(s) |
|---|---|
| Governing Council | Nil |

**14.Whether institutional data submitted to AISHE**

| Year | Date of Submission |
|---|---|
| 2021 | 15/02/2022 |

# Extended Profile

## 1.Programme

1.1                                                        26

Number of courses offered by the institution across all programs

during the year

| File Description | Documents |
|---|---|
| Data Template | [View File] |

## 2.Student

2.1                                                   **1856**

Number of students during the year

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File] |

2.2                                                   **50**

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

| File Description | Documents |
|---|---|
| Data Template | [View File] |

2.3                                                   **534**

Number of outgoing/ final year students during the year

| File Description | Documents |
|---|---|
| Data Template | [View File] |

## 3.Academic

3.1                                                   **92**

Number of full time teachers during the year

| File Description | Documents |
|---|---|
| Data Template | [View File] |

3.2                                                   **43**

Number of sanctioned posts during the year

# Extended Profile

## 1.Programme

| | |
|---|---|
| 1.1<br><br>Number of courses offered by the institution across all programs during the year | **26** |

| File Description | Documents |
|---|---|
| Data Template | View File |

## 2.Student

| | |
|---|---|
| 2.1<br><br>Number of students during the year | **1856** |

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| | |
|---|---|
| 2.2<br><br>Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | **50** |

| File Description | Documents |
|---|---|
| Data Template | View File |

| | |
|---|---|
| 2.3<br><br>Number of outgoing/ final year students during the year | **534** |

| File Description | Documents |
|---|---|
| Data Template | View File |

## 3.Academic

| | |
|---|---|
| 3.1<br><br>Number of full time teachers during the year | **92** |

| File Description | Documents |
|---|---|
| Data Template | View File |

| 3.2 Number of sanctioned posts during the year | 43 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | <u>View File</u> |

## 4.Institution

| 4.1 Total number of Classrooms and Seminar halls | 23 |
|---|---|
| 4.2 Total expenditure excluding salary during the year (INR in lakhs) | 138.8 |
| 4.3 Total number of computers on campus for academic purposes | 145 |

# Part B

## CURRICULAR ASPECTS

### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

**Principal in the HOD's meeting in concurrence with IQAC, constitutes a committee to prepare the semester-wise calendar of events to the forthcoming year programmes at the end of each academic year and to design the time table for all the U.G. and P.G. programmes conducted in various departments of the college, as per university norms. The calendar of events and the time table are displayed on the college notice board and uploaded in the official website of the college. IQAC also monitors the strict implementation of the academic programmes as per the calendar of events and the time table. The college has self-designed skill based training programmes which make the students employable and promote them for entrepreneurship development. As normal practice, at the end of each semester, every department conducts council meeting, and the teachers are informed about their workload and courses for next semester and asked to be prepared for both theory and practicals. This process enables the teachers to prepare a teaching plan, in advance, for the next academic assignment. IQAC**

provides all the teachers with a teachers work dairy, where they have to record their lecture plans and work execution details. This will be monitored and duly acknowledged by the principal. Teachers refer standard text books and reference books prescribed by the university, along with the latest information available online in various standard websites; they also explore other resources which are available for effective implementation of the curriculum. In addition to traditional teaching methods, various other teaching methods like the conduct of quiz programmes, group discussion, demonstrations, debates, power point presentations, projects works, industrial visits, add-on practicals, assignments, videos, use of charts and graphs and case studies are adopted for effective implementation of the curriculum. IQAC prepares the time schedule for the conduct of bridge courses for the beginners as well as seniors of all the semesters. Based on the performance of the students in the first internals, a list of slow learners is prepared and the teachers were informed to conduct remedial classes for such students to strengthen the academic standards of the students and to improve their performance. Academic review and feedback from students/ parents/ stakeholders/ employers/ alumni are taken periodically on different aspects. Feedback analysis will be done by the staff of department of Statistics, Karnatak Arts College and BCA department and the results will be submitted to the Principal. Intern, principal will send the report to the individual teachers. Principal holds individual discussion with such teachers whose performance is below average and gives suitable advice if necessary. Thus Principal helps and encourages poor performing teachers to evolve into good teachers.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | [View File](#) |
| Link for Additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-I/1.1.1_A.pdf |

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

a) Examination Process and Reforms: Institution has adopted Karnatak University's examination rules and regulations. Two internal theoryexaminations (IA 1 & IA 2) and one practical (IA) examination per semester will be conducted by the concerned teacher by adopting centralized Continuous Internal Evaluation system (CIE) to maintain the academic standard of the students.

The evaluation report is made available to the respective students by displaying it on the departmental notice boards and also it is uploaded to the Karnatak Science College website.

Grievances of the students if any are invited and are addressed within stipulated time without hampering the academic calendar of events. Based on the CIE report, after the first internal examination, slow learners are identified based on the performance and remedial classes are conducted for such students. Schedule for the semester end examinations (Both theory and practical) is notified by the university. Principal appoints a teacher as Chief Superintendent for smooth conduct of practical examination in college. Internal and external examiners appointed will upload the Practical examination Mark's in Karnatak University Examination section portal online soon after completion of exams. After uploading marks, examiners will submit freezed copies of marks list in sealed envelopes to KUD through college principal. At the end of all practical examinations in all subjects, Principal will submit all sealed covers of marks list to Registrar (Evaluation) , K U, Dharwad.

b) Evaluation Process and reforms:

Bar coding: Every answer paper is given a barcode. Students register number along with a copy of the barcode is physically removed before the evaluation and the paper is coded. The coded answer papers are assessed and decoded. University will notify the results after the evaluation and the same is published in the website.

Photocopy: Students are permitted to get the photocopy of their answer scripts to check the accuracy of valuation.

Revaluation: Soon after the announcement of results, students are given an opportunity to apply for revaluation within the specified date.

Third Valuation: There is a provision for the third valuation. If difference in the marks between the first and the revaluation is more than 21, the same answer paper is considered for third valuation.

MCQ system: For mandatory subjects like Environmental Studies, Human Rights, Indian Constitution etc. MultipleChoice Questions system is followed.

The smooth conduct of theory examination. Orientation to the supervisors is given before the examination. University appoints a sitting and a flying squad to look after the examination proceedings. For the semester end practical examinations, university will appoint an external examiner and the principal appoints an internal examiner. After the assessment, practical marks will be uploaded to the university examination portal.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | View File |
| Link for Additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-I/1.1.2_B.pdf |

| **1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University  Setting of question papers for UG/PG programs  Design and Development of Curriculum for Add on/ certificate/ Diploma Courses  Assessment /evaluation process of the affiliating University** | B. Any 3 of the above |
|---|---|

| File Description | Documents |
|---|---|
| Details of participation of teachers in various bodies/activities provided as a response to the metric | View File |
| Any additional information | View File |

**1.2 - Academic Flexibility**

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented**

**1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

05

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Minutes of relevant Academic Council/ BOS meetings | View File |
| Institutional data in prescribed format (Data Template) | View File |

**1.2.2 - Number of Add on /Certificate programs offered during the year**

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

0

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Brochure or any other document relating to Add on /Certificate programs | **No File Uploaded** |
| List of Add on /Certificate programs (Data Template ) | **No File Uploaded** |

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

0

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | **No File Uploaded** |

**1.3 - Curriculum Enrichment**

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

**Cross cutting issues are the integral part of the institutional curricular and Co-curricular Activities**

**Institute integrates crosscutting issues relevant to professional ethics, gender, human values, environment and sustainability into the curriculum. Some of the steps taken are below:**

1. **Gender equity:** The Institution is committed to promote gender equality as guaranteed by our Indian constitution. In this direction the college facilitates an enabling environment that is creative, productive and respectful to all, irrespective of gender identity. Equal importance is given to both men and women in all the activities of the college. This enables them to treat each other with respect, dignity and equality, not only in college, but also in their personal and professional lives. The institution promotes gender sensitization through co-curricular activities like workshops, seminars, guest lectures, poster exhibitions, counselling etc. Based on the outcome the institution with pride declares that 'We are gender neutral educational institute'.

The institution, maintains and promote gender equity through forming different committees including both male and female staff members and student representatives.

1. **NSS:** College has an NSS unit with the strength of 100. Girls and boys have the equal share in admission, participation in all types of camps, work being carried out in the campus and outside the campus.
2. **NCC:** College has 1/24 KAR, NCC students battalion including boys and girls. All the cadets share the equal responsibility.
3. **Library:** Our library is not having a separate wing/reading room for boys and girls. In order to take the safety of the students, library has a CCTV serve lance facility.
4. **Teachers Association/Staff Club/Common Room:** In all these components, both male and female staff members are the regular members and share equal responsibility and participate in all the activities.
5. **Celebration of National Festivals:** All the staff members and students collectively celebrate the national festivals.
6. **Study Tours/Field Visits:** In the departments where study tour/Field visit is a compulsory component of the curriculum, both boys and girls participate.
7. **Curricular and co-curricular activities:** College organizes many Seminars, workshops, Symposium, Special Lectures, Cultural events, Indoor and outdoor Sports. In all these activities no special provisions were made for boys and girls and are treated equally.
8. **Committees:** The institution constituted the following committees as per norms laid by University/UGC: Institution Grievance Redressal Committee, Anti-Ragging, Sexual

harassment prevention cell, Students' Disciplinary Committee, SC /ST Students Welfare Committee, Mentoring Programme cares for the well-being of students and staff in the institution. The functions of these committees are displayed on the website of the institution and information is being disseminated to the students through orientation and induction programs. The institution provides safety and security facilities for the staffs and students such as CCTV Surveillance throughout the campus and security arrangement. Students and staff wear ID cards at all times and outsiders are checked by security staff deployed at the entrance gate.

9. Counselling Cell: The institution has a dedicated Counselling cell called "AKKA" for the students to take care of their academic, emotional, social and cognitive development. Personal Counselling is provided to the students at different levels. There are separate washroom facilities for girls and boys.

1. Environmental Sustainability:

The functioning of the college exerts negligible stress on environment. Our college students and Staff arranged different programmes towards the protection of our environment and initiated to maintain the environmental sustainability such as to reduce the generation of wastes, increase the greenery in the campus and minimize the carbon dioxide concentration by way of plantation programmes etc.

• Solid waste management

Keeping in view of the cleanliness and to maintain the hygienic environment, separate place is identified where the solid waste materials are disposed. College produces a very less amount of Solid waste through regular activities includes paper, glass, food residue and packaging material etc. Every Sunday College NSS Volunteers arrange swachchata programme in the campus and makes college campus solid waste free campus. In addition to this, many dust bins are placed in different corners of the campus and students are encouraged to put the waste materials into these bins, which is later emptied by the proper waste disposal area and in turn it is lifted by the city corporation. Our institute already a plastic free campus and it encourages all the students and staff both to be plastic free. The campus is having a big green coverage.

• Liquid waste management.

College has made a provision to scientifically handle the liquid waste generated during food preparation and washing of cooking utensils and cloths in the Canteen and Hostels, laboratories, washrooms etc. College campus has an underground drainage system and liquid waste is safely discharged in to it.

- E-waste management.

College produces e-waste through Electronic instruments, Computers and their components, electrical materials etc. Repairable e-waste will be segregated and inspected by the expert authority and repair and will be reused. College has a provision for E-waste storage at appropriate place. Later authorised persons identified by Karnatak University will carry the same by taking required precautions.

Carbon Sequestration: To maintain eco-friendly environment in the college campus through various activities Viz., Tree Plantation in the barren land, Paperless office through e-governance, creating Plastic free zones, Keeping Clean and Green Campus, Saving electricity by way of installing solar panels, workshop for preparation of Paper Bags, Awareness Programme on Renewable Energy sources and their utilization and e- Waste Management. Because of these practices, eco-friendly and pollution free environment is created in the college campus. The college practises the green auditing through carbon sequestration which indicates the vegetation density.

Human Values and Professional Ethics: The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution/ Debates activities. The institution has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students. The students have enthusiastically participated in various activities like seminar, conferences, expert talks, poster making competition etc. Various departments of the institution and NSS unit are actively involved in conducting several activities for inculcating values for being responsible citizens like: Creating awareness on Covid-19, Distribution of masks to the public, Van Mahotsav day, Voters awareness program, Swach Bharat Abhiyan, International Human Rights Day etc.

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | View File |

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**

**05**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Programme / Curriculum/ Syllabus of the courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | View File |
| MoU's with relevant organizations for these courses, if any | View File |
| Institutional Data in Prescribed Format | View File |

**1.3.3 - Number of students undertaking project work/field work/ internships**

**105**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File |

**1.4 - Feedback System**

| **1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution** | **A. All of the above** |
|---|---|

**from the following stakeholders Students Teachers Employers Alumni**

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | http://kscd.ac.in/IQAC/AQARC/Criteria-I/1.4.1_F.pdf |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | View File |
| Any additional information | No File Uploaded |

| **1.4.2 - Feedback process of the Institution may be classified as follows** | A. Feedback collected, analyzed and action taken and feedback available on website |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| URL for feedback report | http://kscd.ac.in/IQAC/AQARC/Criteria-I/1.4.1_F.pdf |

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

### 2.1.1 - Enrolment Number Number of students admitted during the year

### 2.1.1.1 - Number of students admitted during the year

1856

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

### 2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

**680**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of seats filled against seats reserved (Data Template) | [View File](#) |

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

**Strategies to improve Slow Learners**

**Identification: Karnatak Science College, Dharwad, believe in outcome-based learning processes, where students are identified as slow learners and advanced learners based on the prerequisite tests, class interaction, test performances, performance in the laboratory, filed work and study tours.**

**Extra Classes: The institute, gives emphasis on improving the performance of slow learners by providing remedial programmes which are conducted outside regular classes, extra classes are taken for students who have failed in the exam where the faculty spares time to sit with those students individually to cope up with the subject.**

**Mentor-Mentee System: The mentor-mentee system is also one kind monitoring systems to support the slow learners. The strenuous efforts taken by the faculty towards the slow learners has resulted in students' understanding in their chosen domain, improved results and pass percentage. The mentor also identifies other skills and strengths and encourages them to hone them which helps build self confidence resulting in improvement in academic performance also. The mentor takes extra effort to understand the socio-economic backgrounds also which is sometimes a reason for poor performance. All necessary emotional and professional counselling is also provided whenever required. The mentor also connects the weak learners for the subject teachers with whom they are comfortable for extra support. The Institute ensures that a slow learner clears all his courses within stipulated time and also provides extra attention to build additional skills which makes them employable.**

**Parents Meeting: Parents of students are informed in case of poor**

academic performance and psycho-social problems whenever necessary.

Strategies for Advanced Learners:

Identification: Advance learners are identified based on their performance in the class tests, practicals, interactions, field visits, study tours etc.

Opportunities Provided: Advanced learners are given opportunities to be part of innovative projects and other initiatives of the institute. The toppers of each class are appointed as Class Representatives to develop their communication, leadership & team building skills. They are also given an opportunity to be students representatives in college gymkhana, Science Association, departmental study circles etc. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities which goes a long way in achieving success in their professional career. They are given the opportunity to participate in seminars/conferences /workshops /science exhibitions/ quiz competitions/IT fests, debate competitions/hackathons/Paper Presentations/ Project Competitions and participate in Summer Projects and Internships etc. We also encourage advanced learners to conduct workshops and seminars to share their knowledge. They are also part of the institute's social responsibility. Advanced learners/toppers are provided the incentives in the form of cash prizes, scholarships, gold medals etc.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.2.1_A.pdf |
| Upload any additional information | View File |

## 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

| Number of Students | Number of Teachers |
|---|---|
| 1856 | 92 |

| File Description | Documents |
|---|---|
| Any additional information | View File |

## 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

For enhancing learning experiences, the faculty members adopt many ways, for example, lecture method, interactive method, project and field work method, computer-assisted method, experiment method etc. Teaching and learning activities are made effective by these practices. Many teachers use the conventional black-board presentation methods, especially in mathematics and statistics, where they teach subjects as numerical solving. Also, some teachers use modern teaching aids like power point presentations and computer-based materials, maps, charts. Models etc. They also use you-tube contents to make learning interesting besides the conventional oral presenting methods. Some Student centric methods are given below:

Interactive methods: The faculty members make learning interactive with students by motivating student participation in group discussion, subject quiz, discussion and questions and answers on related subjects. After the completion of the class, teachers invite questions or doubts about the topic and clarify their doubts.

ICT Enabled Teaching: ICT enabled teaching includes Wi-Fi enabled class rooms with LCD, Smart Class rooms, etc. The institution adopts modern pedagogy to enhance teaching-learning process. The institution has the essential equipments to support the faculty members and students. All the teachers are enabled the ICT facilities in the departments and are used in both theory and practical classes.

Student Seminars: The Student are divided in to groups and allotted a seminar topics and are encouraged to present in presence of the concerned teachers and students. This will increase the confidence level and help in removing stage fear of the students.

Project methods: The project work stimulate student's interest on the subject and provide student an opportunities of freedom of thoughts and free exchange of different views. As per the requirement of syllabi, the project work is done in different departments like BCA, B.Sc. (CS), Geography, M.Sc. Physics, Maths and Chemistry.

**Experiential learning:** Experimental/Laboratory method is another important problem solving method where students acquaint with the facts through direct experience individually. The students of Chemistry, Physics, Botany, Zoology, Geology, Criminology, Geography and BCA/B.Sc. (CS) adopt the experimental learning method. In this, students verify the facts and laws of the subject with the help of experiments.

**Summer Internship Program:** The NSS Swachh Bharat Summer Internship is organized for NSS students. Only 50 student can participate in this program, where they learn about the importance of cleanliness. They do their job of 100 hours in the selected villages. Students are supported and recommended to take summer training programmes in the premier research institutions like, IISc., IIT, NCBI, IIIT etc., which will enable the students to understand the recent developments in the field of science and technology and they are motivated to perceive their Ph.D. and develop research as currier.

**Learning Through Social Media:** Group Learning method is now being adopted through whatsApp group. Student share their notes and study material through this method. WhatsApp group are made by students or by the contract teacher. They share the information to each other. During Covid-19 Pandemic lockdown, contacting the students through social media groups has helped to improve the students knowledge and support the learning process.

**Traditional Teaching-Learning Method:** In addition to the ICT facilities in the college, teachers also use the traditional teaching-learning method using Black-board presentations. Students are also encouraged to use the black-board for solving the problems/presenting student seminars/writing answers/ drawing related diagrams.

**Learning Through Field Visits:** Students from Botany, Genetics, Geography, Geology, Inducstrial Fish and Fisheries, Microbiology, Chemistry, Biotechnology and Zoology undertake field visits to understand the actual processess taking place in the nature. Industrial/Institutional visits provide exposure to the students.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.3.1_A.pdf |

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Today, it is a world of competition. To be sustained in the competition, one must be a master in the latest technologies in order to be corporate ready. As a consequence, our teachers are enabled to use the latest available technology along with traditional mode of instruction which will engage the students in long term and effective learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

The following ICT tools are available and used by the teachers

ICT Tools:

1. Projectors- 12 projectors are available in different classrooms/labs

2. Desktop and Laptops are made available in each of the class rooms/Computer Lab and Faculty cabins all over the campus.

3. Printers- They are installed in the departmental offices, main office, in Labs, HOD Cabins and where ever required.

4. Photocopier machines - Multifunction printers/photocopiers are available in all departments and college office. For student and staff use a separate photocopier and browsing centre provision is made in the campus on outsource bases.

5. Seminar Rooms- Seminar halls are equipped with all digital facilities.

6. Smart Board- Each department is having a smart board with high speed internet facility.

7. Broad band Wi-Fi facility is provided to all students and staff in each department.

**8. Auditorium-Auditorium is fully ICT enabled with mike, projector, cameras and computer system and 500 cushion seating facility.**

**09. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom). Online feedback from students, parents and stakeholders about the infrastructure, individual teachers etc through Google forms.**

**10. Digital Library resources (INFLIBNET, DEL NET, MYLOFT etc) .**

**Use of ICT By Faculty:**

**A. PowerPoint presentations- All the staff members use power-point presentations in their teaching. They are also provided with Wi-Fi facility to access online resources which will enable them to prepare their lecture materials.**

**B. Seminars- Special lectures, expert talks etc. are invited from the successful industries to deliver their success stories to encourage our students for the entrepreneurship. Various competitions are regularly organized for students.**

**C. Online Student Seminars- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.**

**D. Video Conferencing- Students are counselled with the help of Zoom / Google meet applications.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | View File |

## 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

### 2.3.3.1 - Number of mentors

**92**

| File Description | Documents |
|---|---|
| Upload, number of students enrolled and full time teachers on roll | View File |
| Circulars pertaining to assigning mentors to mentees | View File |
| Mentor/mentee ratio | View File |

## 2.4 - Teacher Profile and Quality

## 2.4.1 - Number of full time teachers against sanctioned posts during the year

**92**

| File Description | Documents |
|---|---|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | **No File Uploaded** |
| List of the faculty members authenticated by the Head of HEI | View File |

## 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

## 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

**55**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template) | View File |

## 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

## 2.4.3.1 - Total experience of full-time teachers

**25**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | [View File](#) |

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college has transparent and robust evaluation process in terms of frequency and mode. In order to ensure transparency in internal assessment, the system of internal assessment is communicated with the students well in time. Students who are admitted in this college for the concerned course are assessed continuously through various evaluation processes at college and University level.

For transparent and robust process for internal assessment, the following mechanisms are adopted.

Steps adopted:

· Display of time table well in time in the calendar of events prepared by Committee.

· Question Paper Setting is done at the departmental level

. Conduct of Examination in respective departments as per the time table of the college.

· Evaluation is done by the staff members of the respective departments and the results are displayed on the notice boards.

· Grievances if any, are addressed by the concerned staff members.

· Interaction with students regarding their performance in the internal assessment is done.

Process of Internal Assessment: Two internal theory and one practical examination per semester will be conducted by the concerned teacher by adopting centralized Continues internal evaluation system (CIE) to maintain the academic standard of the

students.

The method of internal assessment helps the teachers to evaluate the students more appropriately. Due to internal assessment, the interest of the student towards learning and attending the classes has been also increased. In this way mechanism of internal assessment is transparent and robust.

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.5.1_A.pdf |

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has devised an efficient mechanism to deal with internal examination related grievances which are transparent in the pattern and conduction of CIE and rectification of grievances is time bound. The college follows strictly the guidelines and rules issued by Karnatak University, Dharwad while conducting internal examinations.

Components of Internal Assessment:

1. Two internal theory tests of 20 marks each (finally reduced to 20 marks)

2. One practical internal for 40 marks and reduced to 10

3. Home assignments for 10 marks

Mode of addressing students grievances: At Institute level, an internal examination committee, comprising of a senior teacher as convener and other teaching and non-teaching staff as members, is constituted to handle the issues regarding evaluation process. Results of evaluation are displayed on the departmental notice boards. If there are any grievances, the teacher distributes evaluated answer scripts to those students, and any clarifications or grievances like mistakes in question paper, mark allocation, any other discrepancies noticed by the students are resolved by the Concerned teacher. If a student is not satisfied with the marks awarded even after resolved by the teacher, then he may represent the same to the HOD concerned. All such representations

are taken positively and are reassessed by another teacher if necessary. Students are counselled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations. Retest for the Internal Assessment are conducted for Students who remain absent for internal exams due to genuine reason. Within a time bound the Internal Assessment marks are entered in the University web portal.

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.5.2_B.pdf |

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Governing body of Karnatak Science College is so reflective and the prime focus is on the vision and mission of the institute. The governance of the college matches vision and the mission of the college. Our vision and the missions are as follows.

VISION

Just Equitable, Tranquil, Harmonious Social Order with Scientific Temperament.

MISSIONS

• To enhance ability of students, in order to make them special and thereby creating experiences so surprisingly positive and memorable.

• Providing a variety of options for delivering dazzling science education to our students.

• To offer invigorating experiences in a way that build confidence and creates a sustainable, yet positive defining moments.

• To inspire students to believe in one, and do what they say they will.

• To help students network with people who have common needs and

an interest to do something extra.

• Provide necessary infrastructure to identify and generate talented human resource pool, which will be beneficial to our society at large.

• To transform students into sharp thinkers, writers, speakers andleaders in the professions of their choice.

• To install scientific temperament in the younger generation.

GOALS AND OBJECTIVES

• Importing education of pure sciences,

• Providing the curriculum relevant to social needs.

• Create awareness about development in science and technology.

• Sensitizing the goal and competence among the youth.

• Inculcating a sense of national character contributing to national integration and development.

• Creating pleasant environment to achieve excellent in academic, co-academic and extracurricular activities,

• Establish MOU with neighbouring industries.

• Empowering students to take up challenging career opportunities.

• Designing an action plan to help physically challenged persons, slow learners students from rural backgrounds.

Programme Outcome

Department of Physics

Culminate in depth knowledge of almost all basic branches of physics such as mechanics, properties of matter, relativity, electricity and magnetism, wave motion, optics, thermal physics, electronics, classical mechanics, quantum mechanics, spectroscopy, nuclear physics, condensed matter physics and also advanced areas like Nanoscience, energy science, astrophysics, instrumentation.

Communicate effectively physics concepts with examples related to

day to day life. Acquire ability of recognizing and distinguishing various aspects of physics found in real life. Learn, perform and design experiments in the laboratory to demonstrate the concepts principles, laws of physics, theories learnt in the class rooms. Acquire ability of critical thinking and logical reasoning in physics problems and their solutions. Develop ability to analyze physics problem including simple to thought provoking problems and apply the acquired knowledge to solve. Appreciate the importance of physics subjects and its application for pursuing interdisciplinary and multidisciplinary higher education and research in these areas. Understand the vast scope of physics as theoretical and experimental science with application in finding solution of problems in nature spanning from smallest dimension 10-15 m to highest dimension 1026 m in space, covering energy ranges from 10-10 eV to 1025 eV. Think independently and develop algorithm and program using programming techniques for solving real world physics problems. Develop ability of working independently and to make in-depth study of various notions of physics. Develop ability to apply the knowledge and skill acquired through experiments of physics in laboratories to solve real life problems. Pursue advanced studies and research in varied areas of physical science.

Course Outcomes

1. The students will demonstrate a scientific knowledge of the core physics principles in Mechanics, Electromagnetism, Modern Physics and Optics.
2. The student will determine the appropriate level of technology for use in experimental design and implementation, analysis of experimental data and numerical and mathematical methods in problem solutions.
3. The students will demonstrate a purposeful knowledge of scientific literature and ethical issues related to physics.
4. The students will effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through a variety of oral, written and computational modalities.
5. To acquire the basic knowledge of mechanics, properties of matter and gravitation.
6. Learn motion of bodies and sound waves.
7. To inspire interest for the knowledge of concepts in physical and geometrical physics.

Department of Chemistry

**Programme Outcome**

Students will demonstrate an understanding of major concepts in all disciplines of chemistry.Students will employ critical thinking and the scientific method to design, carryout, record and analyze the results of chemical experiments and get an awareness of the impact of chemistry on the environment, society and cultures outside the specific community.

**Course Outcomes**

1. Students will gain an understanding of methods of analysis related to chemical analysis goals such as detection of elements.
2. Enable the students to get understand the laws of thermodynamics and the Computer C Programming.
3. After completing this course, students must have a basic knowledge of textile chemistry for an understanding of the chemical structure and properties of textile fibers and the properties of textile percipients and dyes.
4. To understand the principles of radio activity.
5. To study the magnetic properties of molecules, chemical kinetics and photo chemistry.
6. To enable the students to learn about classification of polymers- methods of preparation of polymers, different types of polymerization, molecular weight of polymers.
7. Students to learn about electro chemistry.

**Department of Botany**

**Programme Outcome**

To inculcate in students the scientific study of plants this in turn is used in many aspects of human life. Plants are necessary for supporting all life forms on earth, either directly or indirectly. It's study helps in better understanding of our selves at the cellular and genetic level.

**Course Outcomes**

1. Students will be able to define and explain major concept in the biological sciences.
2. It will help student to use instruments in biological processes and interpret the results in a better and scientific way.
3. It enable the students to explain and apply the scientific

method including designing and conducting experiments and testing hypotheses.
4. Students will be able to communicate biological knowledge in oral and written form.
5. Students are able to impart their practical knowledge in the field of agriculture, pharmacology, herbal medication, environmental issues etc.

## Department of Zoology

### Programme Outcome

To understand the nature and basic concepts of Zoology. To understand the analysis of relationship among animals, plants, microbes and environment. It provides insight into how "Life" works and consequently, how we work. The concept of students is cleared in the laboratory of Bio- Science.

### Course Outcomes

1. Students will be able to demonstrate the ability to read, understand and critically review scientific information.
2. Students will be able to demonstrate ethical conduct in scientific activities.
3. Students will be able to recognize the relationship between structure and function at all levels: molecular, cellular and organism.

## Department of Mathematics

### Programme Outcome

Think in a critical manner. Familiarize the students with suitable tools of mathematical analysis to handle issues and problems in mathematics and related sciences. Acquire good knowledge and understanding to solve specific theoretical and applied problems in advanced areas of mathematics and statistics. Provide students/learners sufficient knowledge and skills enabling them to undertake further studies in mathematics and its allied areas on multiple disciplines concerned with mathematics. Encourage the students to develop a range of generic skills helpful in employment, internships and social activities.

### Course Outcomes

1. Demonstrate basic manipulative skills in algebra, geometry,

trigonometry and beginning calculus.
2. Apply the underlying unifying structures of mathematics and the relationships among them.
3. Demonstrate proficiency in writing proofs. Investigate and apply mathematics problems and solutions in a variety of contexts related to science, technology, business and industry and illustrate these solutions using symbolic, numeric or graphical methods.
4. Students can understand the foundation of Mathematics.
5. They are able to perform basic computation in higher Mathematics.
6. Students are able to develop problem solving skills.
7. They are able to communicate Mathematical ideas with others.
8. They can enhance the quality of analysis and research in different mathematical fields.
9. Operations research can develop the management quality in different industries and factories.

## Department of Geography

## Programme Outcome

Geography mainly concerns changes in spatial attributes in a temporal perspective. Geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasises on human-environment relationship. During the programme, the students are trained on advanced concepts of physical and human geography. Allows them to concentrate on specific areas of the subject, on which they complete their field reports. After completing the course, the students will be amply prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing.

## Course Outcomes

1. It develop the skills including critical thinking, problem solving, reasoning, analysis, interpretations and synthesizing information's and communication literacy, media and internet literacy, data interpretation and analysis and computer programming.
2. It imparts the knowledge about different places on earth and how they relate with each other.
3. It helps the students to identify and appreciate important events and National and International policies; make better and informed decisions regarding the best use of National

resources.

4. It helps the students to know about the relationship between human being and the environment and the general process of natural resources.

5. It enables the students to understand how population growth and technological advances affect the environment.

6. It help the students to gain the understanding of International mattes and multicultural concerns, read maps, interpret local and global information and understand International networks for trade.

## Bachelor of Computer Applications

### PROGRAMME OUTCOME

Focuses on preparing student for roles pertaining to computer applications and IT industry. Start from the basics and in every semester learns each and everything about computers. Develop programming skills, networking skills, learn applications, packages, programming languages and modern techniques of IT. Get skill and info not only about computer and information technology but also in common, organization and management. Learn programming language such as Java, C++, HTML, SQL, etc… Information about various computer applications and latest development in IT and communication system is also provided. Gives overview of the topics in IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills. Bachelor in computer applications (BCA) gives a number of opportunities to individuals to go ahead and shine in their lives. A few of them are like software programmer, system and network administrator, web designer faculty for computer science and computer applications.

### Course Outcomes :

1. Develop the student's ability to use English language accurately and effectively by enhancing their communication skills and Mastering the art of a professional business presentation

2. Distinguish different communication process and its practical application.

3. More effective written communication Demonstrate a working knowledge Definite and Indefinite Integrals. Evaluate expectations and conditional expectations of random variables Familiar with parts of computer

4. Understand the input and output devices.

5. Basic ideas of storage devices, computer Networks and Operating System
6. Use the 'C' language constructs in the right way Design, develop and test programs written in 'C'
7. Create programs involving decision structures, loops, strings and functions.
8. Design programs involving structures and pointers.

## Department of Geology

### Programme Outcome

Programme Outcomes Ensuring an atmosphere conducive to teaching and learning. Preparing students for the competitive world. Holistic development of young adults enrolled as students. Providing Quality Higher Education and taking care of intellectual, social, economic, emotional needs of students Adopting student-friendly approaches to teaching and learning as far as practicable Kindling interest in students not only in their subjects but also in related fields and help them ramify and diversify areas of interest Encouraging participation of Faculty in discussions to teach students with different learning paces Promotion of leadership qualities.

### Course Outcomes

1. Students will acquire a solid base of knowledge in the science of geology as a whole as well as earth materials, earth history, sedimentation and stratigraphy, deformational processes and structural features, and geomorphic processes and landforms.
2. Students will develop proficiency in conveying complex geologic concepts in clear, technically correct writing.
3. Students will develop proficiency in oral communication of complex geologic concepts.
4. Students will develop the aptitudes and dispositions necessary to help democratize society by obtaining and maintaining employment as a professional geologist.

## Criminology and Forensic Science

### Program Outcomes

Understand the concepts of basic and applied sciences including psychology and its applications in forensics. Analyze the sample in field and laboratory test of crime exhibits with the latest

norms and standards. Analyze the different crime scenario and make decisions regarding analysis of crime exhibits. Evaluate the various results and presenting into the court of law on requirements. Apply the knowledge of basic and applied sciences, social sciences and arts in various forensic problems. Identify and analyze forensic problems using standard methods based on scientific approach. Understand, select, and apply appropriate techniques, resources, and modern scientific techniques with an understanding of its merits and limitations. Apply ethical principles and commit to professional ethics and responsibilities and norms of the forensic practices. Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology. Understand and analyze the impact of forensic solutions to the society and criminal justice setup. Function effectively as an individual, and as a member or leader in diverse teams, and in a multidisciplinary setting. Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of Technological change.

Course Outcome:

1. Understand the basic concepts of crime, criminology, victimology and forensic science.
2. Understand and interpret the criminal behavior and its linkage to different crime scenario
3. Interpret various principles of forensic science and its connection to different crime scenario
4. Analyze various crime scenario and apply it into a case study.
5. Classify and evaluate crime and its connections with victim and perpetrator.

Statistics

Program Outcomes

Statistics is the language of the uncertainties riddled modern information age. This program is a compact combination of detailed courses of Statistics and adequate amount of courses on Computer Science, Mathematics and Operations research to complement and offer diversification after the completion of program. The thrust of the program is to provide a platform for pursuing higher studies leading to post-graduate or doctorate degrees. Along with this students are equipped with skill enhancement courses like

Research methodology, Statistical packages and R language. Apart from this there is a range of Generic electives courses in Economics, Commerce, Computer Science etc. which students choose as per their interest and aptitude. This enhances theoretical rigor with technical skills which prepare students to become globally competitive to enter into a promising professional life even after graduation. This program offers a range of traditional avenues in academics, Govt. Service, IAS, Indian Statistical/ Economic Services, Industries, Commerce, Investment Banking, Banks and Insurance Sectors, CSO and NSSO, Research Personnel/Investigator in Govt. organizations such as NCAER, IAMR, ICMR, Statistical and Economic Bureau & various PSUs., Market Research, Actuarial Sciences, Biostatistics, Demography etc. It also provides an array of non-traditional employment avenues ranging from Stock Brokers Analyst, Sports Analyst, Poll Analyst, Business Analyst, Financial Analyst, Content Analystetc.

Course Outcomes

1. Student will learn concepts of statistical population and sample, variables and attributes.
2. Tabular and graphical representation of data based onvariables.
3. Student will understand Conditions for the consistency' and criteria for the independence of data based on attributes.
4. Students will learn measures of central tendency, Dispersion, Skewness and Kurtosis.
5. Students will know the moments and their use in studying various characteristics of data.
6. Students will understand different approaches to the theory of probability.
7. Students will understand the important theorems on probability and their use in solving problem. Concept of correlation, various correlation coefficients- Pearson's correlation coefficient, Spearman's rank correlation coefficient, partial correlation coefficient and multiple correlation coefficient.
8. Students understand the concept of Principle of least squares for curve fitting and regression lines.

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for Additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.6.1_A.pdf |
| Upload COs for all Programmes (exemplars from Glossary) | View File |

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

**Karnatak Science College is a constituent college of Karnatak University, Dharwad offering Under Graduate, Post Graduate and Research programs in Science. For these programs and courses, the institute followed the curriculum designed by our University. The Programme outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and the same is displayed in the college and departmental notice boards.**

**After measuring attainment of Programme Outcomes and Course Outcomes, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of Programme Outcomes and Course Outcomes followed formal as well as informal mechanism for the measurement of attainment of the outcomes. We took feedback from all the stakeholders in this respect and try to take necessary steps accordingly to strengthen the outcome . Subsequently, the College took care of the attainment to measure the Programme Outcomes and Course Outcomes.**

**Mechanism for Attainment:**

1. **The institute prepares the academic calendar and strictly adhere to the events mentioned as a result all the programmes mentioned in the calendar is successfully completed and none of the events are left out.**
2. **All the subject teachers are provided with the Teachers Diary in every academic year which has made the students well aware of the subject taught by the teachers and**

teachers completed their allotted syllabus before the end of the semester .

3. All the subject teachers' prepared Semester-Wise evaluation Reports and Internal examination committee analyzed evaluation reports which has helped in culminating slow and advanced learners based on their performance. This has lead in to efficient redressal of grievances.

4. Institute obtains the Feedback from the Stakeholders for the attainment of Programme Outcomes and Course Outcomes. This has resulted in the enrichment of the curriculum keeping in view of the needs for employability.

5. Committee review of the Students' Progression to Higher Studies every year and keeps a record of it. This has motivated junior students for progression towards higher education and also evidenced through increase in the number of students entering in to higher education. .

6. Placement officer of our college invites many companies, entrepreneurs, start-ups etc., to provide placements to our students as a result many students are qualified in the campus interviews and got selected for the work. This process proves the substantial increase in the placements.

Program outcomes of Bachelor of Science: The students understood the fundamentals of science education. The students' knowledge in all basic sciences is enriched. Interdisciplinary approach amongst students has been developed. Sense of scientific responsibilities, social and environment awareness have been inculcated among the students. Student's built-up the progressive and successful career in academics and industry. Students are motivated to contribute in the development of Nation and community.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for Additional information | Nil |

## 2.6.3 - Pass percentage of Students during the year

## 2.6.3.1 - Total number of final year students who passed the university examination during the year

450

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.6.3.2_A.pdf |

**2.7 - Student Satisfaction Survey**

**2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)**

http://kscd.ac.in/IQAC/AQARC/Criteria-II/2.7.1_A.pdf

**RESEARCH, INNOVATIONS AND EXTENSION**

**3.1 - Resource Mobilization for Research**

**3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

**3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

**Rs. 65.02/-**

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | View File |
| List of endowments / projects with details of grants(Data Template) | View File |

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

**22**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Institutional data in prescribed format | View File |

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

**02**

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | View File |
| Any additional information | **No File Uploaded** |
| Supporting document from Funding Agency | View File |
| Paste link to funding agency website | http://kscd.ac.in/IQAC/AQARC/Criteria-III/3.1.3.1 A.pdf |

**3.2 - Innovation Ecosystem**

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

**Our Institution provides healthy atmosphere, infrastructure, resources, confidence for enhancement of the capacity and competencies of students and teachers in research and innovative activities. All innovative and extension activities are student centric. Various activities are conducted to nurture and nourish youth's minds. These activities help students to understand the various problems faced by the society. It enables them to find out solutions on them.**

**The institution has "AKKA" Ladies Association, N.S.S. & NCC wings, Gymkhana -in doors and outdoor Sports and culture, Science Association, study circles, staff club etc. through which students and faculty members are encouraged to undertake innovative activities which are helpful for creation and transfer of knowledge. Activities conducted by these are helpful to develop leadership qualities, various skills and planning.**

1. Research Counsel: Our institution is a recognized research centre of Karnatak University, Dharwad. 22 staff members are the research guides and are successfully guided about 100 students for Ph.D. degrees and many more students are persuing Ph.D. programme. Research guides and the research scholars exhibited a remarkable contribution in the field of their research specialization and evidenced through an average of 50 research publications every year in national and international journals with high impact factor and h-index. Many of the research guides and students have received awards and honours for their outstanding contribution. Teachers have been awarded with many major and minor projects funded by various funding agencies like UGC, DBT, CSIR, DST, VGST, KUD etc. Approximately Rs.1.5 crore sanctioned towards the projects during last five years. Many of our teachers have national and international collaborative research programmes with University of North Florida, Jain University, Bangalore etc.

2. Science Association: Institute has an academic association called SCIENCE ASSOCIATION which consists of a study circles in all the 8 departments. Under this association, many innovative programmes like science exhibitions, special lectures from eminent scholars are conducted. Students are motivated towards making research as their carrier by inspiring them to participate and present their research innovations in exhibitions, seminars, conferences etc. Many students have bagged awards and honours for their outstanding contribution. Study circles in each department conducts regular innovative activities for the students and teachers.

3. Gymkhana: College has a separate sports wing called GYMKHANA which consists of 13 departments through which extra-curricular activities like all kinds of sports and cultural activities are conducted. Our students participate sports and cultural activities and bagged many awards and prizes. National festivals, founder's day etc. are celebrated under the banner of cultural department. Various competitions like essay writing, debating, elocution etc. are organized to bring out the hidden potentials of students under the banner of Debate and Wall paper department.

4. NSS & NCC: N.S.S. conducted various activities in innovative ways, tree plantation, Swacch Bharat Abhiyan , awareness programmes about cleanliness, construction of toilets in near-by villages and educating rural folk about the demerits of open depiction. All these activities are done by our NSS volunteers in association with the villagers. NCC wing of

our college pays god of honour to the principal and the Vice-Chancellor during National festivals. Both the wings of our college organize blood donation camps and conducts many environment awareness programmes during Covid-19 pandemic and distributed masks and sanitizers to the public.

5. AKKA Ladies Association: Ladies Association is a very good platform for girl students to express themselves. Activities conducted by it are helpful to build the confidence in them. Girl students are counselled for their grievances. They celebrate National Girl Child Day, World Women's Day etc. They do invite many lady doctors and counsellors to address specific issues.

6. Staff club: Staff club of our college is a recreation centre for teachers. Facility is created for the teachers for many indoor games like carom, chess, table tennis etc. The college an innovative practices of felicitating our college retired teachers after their superannuation under the auspices of staff club.

7. ICT: College has provided all ICT facilities to all the departments which will enable the teachers to utilize online resources. Workshops and seminars are conducted using the available ICT facilities. IQAC has initiated webinar series during Covid-19 pandemic by inviting resource persons from India and abroad using ICT. College also has a digital library in the campus which has the membership for many digital repositories. Access to e-resource has been provided to all the students and teachers. This has enabled the staff and the students to utilize the resources at free of cost. College also has provided the free internet and Wi-Fi facility in every department.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-III/3.2.1_A.pdf |

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

02

| File Description | Documents |
|---|---|
| Report of the event | [View File](#) |
| Any additional information | **No File Uploaded** |
| List of workshops/seminars during last 5 years (Data Template) | [View File](#) |

## 3.3 - Research Publications and Awards

### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

**24**

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | **Nil** |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | [View File](#) |
| Any additional information | **No File Uploaded** |

### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

**57**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| List of research papers by title, author, department, name and year of publication (Data Template) | **No File Uploaded** |

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

**02**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| List books and chapters edited volumes/ books published (Data Template) | [View File](#) |

## 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

**Our college organizes several extension activities in the neighborhood community to promote the students towards social responsibility leading to their overall development. The college has many student oriented wings like NSS, NCC, AKKA ladies Association, Science Association and Study circles etc. Through these wings, the college undertakes various extension activities in the neighbourhood community.**

**National Service Scheme (NSS): In addition to the regular NSS activities in the campus, our college NSS unit organizes seven days special camps in the nearby adopted villages where several special activities were carried out by the volunteers addressing social issues like**

1. **Cleanliness: Cleanliness and its impact on health-Health being the important part of everyone's life, villagers are motivated to keep their premises clean. Free health check-up camps are conducted by inviting the specialized doctors.**
2. **Tree plantation: An awareness will be created about the importance of trees on our day to day life. Plant saplings will be planted on road sides and wasteland in association with the villagers.**
3. **Water harvesting and conservation: Water is a necessary but non-renewable commodity. Its harvesting and conservation in a scientific way is essential and it is done by our NSS volunteers. Desiltation of tanks, creation of water harvesting pits etc., are done in association with villagers during day time and lectures on water related issues from the experts are arranged in the evening time as most of the villagers are available during late hours.**
4. **Awareness Programmes: In addition to above, events like construction of Bandhara, road construction, Shramdan,**

Social interaction, Group discussion, Eradication of superstition, Beti Bacho Beti Padhao, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Veterinary guidance ,Farmers meet, etc. are Awareness about farmer's suicide etc. are been conducted in the neighborhood community.

5. **Public Speaches by the Experts:** During the NSS camps, experts from different fields are invited and arrage lectures forthe villagers for creating awareness on burning issues.

**National Cadet Corps:** College has an NCC unit under 24 KAR.BN.NCC Dharwad. It aims at developing qualities of leadership, patriotism, maintaining discipline, character building, spirit of adventure and the ideal of self service. The NCC unit of the college organizes various extension activities like Road safety awareness, Ekta daud for health, Save fuel save country programme, Swachhta Abhiyan, Blood donation camp, National equality and integrity awareness programme etc.

**Science Association and Study Circles & AKKA ladies Association:** Science Association and Study Circles in each departments are the suitable platforms for shaping the overall development of students by way of conducting programmes on Environmental issues, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing and management, Plastic eradication, No vehicle day, Programme on Girls Child protection and female foeticide, Voters awareness, etc. All these mentioned activities have a positive impact on the students and it developed student community relationship, leadership skill and self confidence in students. It also helped in cultivating hidden personality of students and created awareness among students.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-III/3.4.1 A.pdf |
| Upload any additional information | No File Uploaded |

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

0

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of awards for extension activities in last 5 year (Data Template) | **No File Uploaded** |
| e-copy of the award letters | **No File Uploaded** |

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

02

| File Description | Documents |
|---|---|
| Reports of the event organized | View File |
| Any additional information | View File |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File |

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

38

| File Description | Documents |
|---|---|
| Report of the event | View File |
| Any additional information | **No File Uploaded** |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

## 3.5 - Collaboration

### 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

### 3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

**05**

| File Description | Documents |
|---|---|
| e-copies of related Document | View File |
| Any additional information | **No File Uploaded** |
| Details of Collaborative activities with institutions/industries for research, Faculty | View File |

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

### 3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

**01**

| File Description | Documents |
|---|---|
| e-Copies of the MoUs with institution./ industry/corporate houses | View File |
| Any additional information | **No File Uploaded** |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the year | View File |

| INFRASTRUCTURE AND LEARNING RESOURCES |
| --- |

| **4.1 - Physical Facilities** |
| --- |

| 4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc. |
| --- |

PHYSICAL FACILITIES-The institution has adequate infrastructure and physical facilities to cater the teaching- learning needs and overall development of the students.

1. CLASSROOMS: College has eight departments, each of which consists a good number of classrooms. In all, there are 25 classrooms and seminar hallswithwell equippedmodern equipments.LCD, Wi-Fifacility,3D Models, and charts are the important modern tools andteachingaids installed in the classrooms. In each department, one classroom has smart-board boardfacility, which is enabled with online support.Regularcleaning and maintenance of the classrooms is outsourced to external agenciesby the Karnatak University, on tender bases. Corridors in the departments and its fivemeter surroundings are cleaned by the employees of the same agency.Regular monitoring and maintenance of electrical connections and fixtures, including repairs/replacements, are done by the electrical section of thebuilding department of theUniversity. In addition to the department seminar halls, the college has two state of the art air conditioned auditoriums, namely, "SRIJANA RANGAMANDIR" which has been donated by the college alumni, Mr. Nandan Neelekani, and an auditorium in the BCA department.

2. LABORATORIES: College has 30 well equipped laboratories including basic/applied sciences (Physical/Life/Earth/Chemical/Computer/Genetics/Biotechnology/Microbiology /Industrial Fisheries),with modern facilities required to meet out the laboratory requirements prescribed in the curriculum. Each laboratory has a capacity to accommodate 50 students, and each student will get a chance to use the instruments available. Some of the departments like computer science/electronics/BCA have Wi-Fi facility which has been extended to the students, in order to enable them to perform in silico experiments.

3. COMPUTERS AND EQUIPMENTS: Totally,there are 148 computers in the college, which are meant for student's and office purpose. Each department has a separate office establishment, with computer facility, for easy and speedy communication. Internet/Wi-Fi facility is provided to all the teachers.

**4. LIBRARY:** College has a central library, named, Dr. V. K. Gokak (JNANAPEETA AWARDEE and alumnus of this institution), library consisting of182534 text books,93809 e-books,24 journals and 6237 e-journals, with free access for students and teachers. Apart from that, each department has an independent library consisting of subject related books and journals. Library also has a browsing center, with internet facility, to access e-content. All the students and teachers are provided with user ID's and passwords in order to access e-content from INFLIBNET portal.

**5.HEALTH CENTER:** College has an in-house health center with a resident doctor and with latest equipments which are required for health checkup and treatment. Students and staff are provided with health checkup and medication free of cost. Expert medical practitioners visit the health center regularly in order to address special health related needs of the students,teachers and non-teaching staff. In addition to health facilities available in the college, specialized doctors are available at KUD health center where our staff and students also can avail the health facilities.

**6. PLAY GROUDS:** College has two outdoor play grounds, one indoor (badminton/Table Tennis) playground, and a gymnasium which is equipped with modern exercising tools.

**7. BANK:** College campus has a bank (Canara Bankbranch) which caters to the needs of students and teachers.

**8. VEHICLE PARKING:** Three parking slots are provided in the campus for two and four wheelers.

**9. BUILDINGS:** All the department arehoused in separate buildings, withwash rooms for boys and girls.

**10. Other Facilities:** College has other facilities like Gardens, Student Home, Girls Hostels, Boys Hostels, Guest House at KUD, Bank etc.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.1.1_A.pdf |

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Our collegehasa broad educational mission: to develop the "whole student."In fact, extracurricular involvement is considered a key tool for thepersonality development of each student. Involvement in extracurricular activities plays an integral role in the collegiate experience. Students become involved in extracurricular activities, not only for entertainment, social, and enjoyment purposes, but most importantly, to gain and improve life skills.The primary goals of extracurricular activities focus on the individual student level, the institutional level, and the broader community level. 1. Cultural activities: Cultural Activities are an unforgettable part of the collegeexperience.The institution has a cultural committee headed by the Principal, with the Chairperson of the Cultural Activities department of the College Guymkhanathe Physical Director andastudent representative ( who is the secretary) as members, which has been very active since the reopening of the college. A college education offers a student, not only academic and social opportunities, but also a variety of other experiences as well.The cultural events result into social and professional relationships, and with help of their contacts from the cultural events, both can forge a win-win relationship among them. Department of Culture (Cultural Activities) of the College gymkhana provides wide range of opportunities to the students, for their participationin cultural events like i) Bharatanatyamii) Folk dance iii) Monoacting iv) Folk archerstra v) Chandi- Theseevents improves health benefits likeimproved body flexibility, stamina, balance, healthy heart,and good concentration. Our students also participate in creativity events like Collage, spot photography and painting, poster making, quiz, debate, elocution, and drama, which will benefit the student's mental health.Connection with these activities is known to be a major factor in reducing the risk of mental health illnesses like depression and addictive behaviors. Apart from these, our students also gainspiritual and emotional benefits by involving themselves in these extra- curricular activities.

2. Sports activities:Sportspertains to any form of competitive physical activitythat aims to use, maintain or improve physical ability and skillswhile providing enjoyment to participants and, in some cases, entertainmentto spectators.Sports can, through casual or organized participation, improve one's physical health. Our college students participate in out door sports events likeTrack events ( (Running Race and Through and Jumps), Games such as Kabbaddi, Kho-kho, Volley ball, Foot ball, Basket ball,

Hockey, Ball badminton, Tennis and Indoor games, namely, shuttle badminton, Table Tennis, Chess, Carrom and the like. Every year, our college students participatein these events, which are organized at different levels, like inter -collegiate, Inter-zonal,University level,Inter-University level and All India inter-University levelcompetitions or events, and they have won prizes.

3.Gymnasium:In addition to academics, the college also pays attention to the health and fitness of the students. The gymnasium is a proud addition to the services and facilities offered by the institution to the students. The college has a separate building, where all theequipments are installed. Separate timing is allotted for girls and boys, and it is monitored by the physical director of the college.The college has invested over Rs. five lakhs on the purchase of equipment for the gym,which includes cross-trainers, multi-gyms, treadmills, upright bikes, recumbent bikes,and stationary bikes among many others.

4.Yoga centre: Ayoga trainer/teacher froma sister institution is invited and the Yoga training camps are regularly arranged for teachers and students.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.1.2_A.pdf |

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

23

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.1.3_A.pdf |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

**4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)**

**4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

138.85

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Upload audited utilization statements | View File |
| Upload Details of budget allocation, excluding salary during the year (Data Template | View File |

**4.2 - Library as a Learning Resource**

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library Details

The college has central library with a separate two storied building spanning over an area of 3440.52 sq. Metres equipped with Library Management System services.Library has a huge collection of Text, Reference ,and others books with foreign, national and local, journals/ magazines and daily news papers. The reading room is well furnished to accommodate 450 students at a time and provides conductive environment for study. A visitor record is maintained for students and faculty members, New Arrivals of books and journals are displayed on rack. The library has under closed circuit television (CCTV) surveillance system.

Collections include more than 1.82 lakh books, 24 Journals / Magazines, 93,809 e-books, 6,237 e- journals. The library is automated, and has a spacious reading hall, reference section and a separate 24 X 7 reading room facility. The library opens at 8 am to 8pm except Sunday and government holidays except 24 x 7 reading room.

Library Services:

College Central Library provide different types services to the students and Staff Members of the college such as, issue and returning of books, journals, e-journals, project reports and

CD's, New Papers, OPAC Facility for accessing the required books, online access to both students and teachers to N-LIST,INFLIBNET, Ahmadabad.

ILMS Details:

The Institute installed Integrated Library Management System (ILMS) namely "ELIB" 16.2 version. Library has provision of s/w such as ELIB software and OPAC (Online Public Access Catalogue).

OPAC: The library has developed the database of its own collection through the library software. Library is computerized with barcode-based issue-and return process, online public access catalogue (OPAC) facility is made available in the central library. OPAC is used by the students and faculty member for searching books by Title, Author, Subject name etc.

The Library offers computerized Catalogue Search Services for user community through the On-line Digital Library and is equipped with 50 Desktops with Wi-Fi/LAN enabled with 300 Mbps speed for fast and seamless access to Internet and e-Resources for the benefit of their academics and research.

e-Resources: Institutional library is a member of N-list consortia of information library network (INFLIBNET). Under this consortia, library provides more than 93,809 e-books and 24 e-journals, e-Shodh Sindhu and Shodhganga to students and faculty members. CD's, DVD, CD-ROM databases, barcode scanner, printer, audio-video unit available in the library.

Library Automation: All the active book collection is update in the library software database and is linked to online public access catalogue (OPAC). The issue and return of books have been activated in the library software.

The library conducts a Book Exhibition by inviting local approved vendors/ distributors and various prestigious publishers to inculcate reading habit among the students and faculty members.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for Additional Information | http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.2.1_A.pdf |

| 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | **A. Any 4 or more of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | View File |

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**1.44**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Audited statements of accounts | View File |
| Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template) | View File |

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)**

**4.2.4.1 - Number of teachers and students using library per day over last one year**

**72**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Details of library usage by teachers and students | View File |

**4.3 - IT Infrastructure**

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

College continuously strives to provide state-of-the-art technologies and update its ICT facilities to ensure efficient functioning. Extensive infrastructure has been setup during the last five years: The college has developed IT facilities to meet the Learning requirements of students andfaculty. Some of the facilities are discussed below

Computer Lab: The College has three computer labs consisting of 148 computers with Internet connectivity for the purpose of the students and teachers. All the required software as per the curriculum is installed and updated as and when required and the maintenance of the computers is done by the technicians as and when required. The software's like Java, C, C++, SQL and Tally are installed in computer labs (BCA and B.Sc. (CS)).

Digital Library:

In the college, digital library has been established with 13 computers. Four computers are dedicated exclusively for the students with visual disability. Library has ELIB and OPAC software's. Institute has upgraded Internet connectivity to 300 Mbps speed.

College Campus & Department IT facility - All the departments in the college have smart class rooms fully furnished with ICT facilities like projector, personal computer attached with projector and smart boards. There are 28 CCTV cameras installed in the entire campus area of the college including classrooms to monitor the teaching learning activities and to provide security to the students and the staff, for the prevention of untoward incidents.

College has a well-equipped seminar hall enabled with ICT facilities with sound system like mike, speakers and internet connection. The whole campus of the college has Wi-Fi and LAN facility with a speed of 300 mbps. The college website is monitored and updated from time to time by Web Coordinator in association with external agencies of the college. Most of the departments have computers with Internet facility via Wi-Fi for preparation of power point presentation as teaching learning materials and the same facility is extended to the research scholars of all the departments. For maintenance, repairs/servicing of computers, Internet Wi-Fi net working, installation of software and maintenance and up gradation of hardware is done by Annual Maintenance Contract (AMC).

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Paste link for additional information | [http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.3.1_A.pdf]() |

## 4.3.2 - Number of Computers

**145**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| List of Computers | [View File]() |

| 4.3.3 - Bandwidth of internet connection in the Institution | A. ? 50MBPS |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional Information | **No File Uploaded** |
| Details of available bandwidth of internet connection in the Institution | [View File]() |

## 4.4 - Maintenance of Campus Infrastructure

### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

**138.85**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Audited statements of accounts | View File |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | View File |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

**4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**

**1. PHYSICAL FACILITIES- Regularcleaning and maintenance of the classrooms is outsourced to external agenciesby the University, on tender bases. Corridors in thedepartments and its fivemeter surroundings the premises are cleaned by employees of the same agency/ agencies. Regular monitoring and maintenance of electrical connections and fixtures,including repairs/replacements are done by the building department of theUniversity. There is an Annual Maintenance (AMC) for the maintenance of thecomputers in different laboratories and offices in the college. This AMCarrangement is done by floating the tender and selecting the lowest quotation submitted by the different agencies, after ensuring that they meet the required specifications. Karnatak University has a separate garden department which extend the service for the maintainance of gardens in the college.**

**1. ACADEMIC FACILITIES-**

**1. LABORATORY- Annual maintenanceof the instruments is done by the Laboratory Assistants. Stabilizers are usedfor instruments to regulate electricity fluctuation. Regular servicing andmaintenance is carried out for the instruments. Periodical calibration of theinstruments like balances, micro-pippets, volumetric instruments and cathode ray oscilloscopes. is done. Service engineers from manufacturing and servicing companies are calledfor the repair work and regular maintenance. Whenever required,official procedures are maintained forthe repair by calling three quotations from different firms, and based on thecomparative statement, an order will be issued to the person**

(serviceengineer or firm) who can give reasonable price and the best service.

2.LIBRARY- Maintenance of the library and it resources is done by the library staff.Annual maintenance of the books is done by fumigation in order to avoid insects andfungus. Dry environment is created near the book shelves through electricheaters during rainy season. Regular dusting and cleaning are done by usingvacuum cleaners. Pest control is carried out so as to increase the life ofvaluable resources present in the library. The furniture and fixtures are repaired andmaintained regularly by the experts. Library is computerized for issue and return of books in order to savetime. Regular book exhibitions are conducted by inviting various distributors to exhibit their products and catalogues in the library so that the staff members can visit these exhibitions, thereby enabling them to recommended specific books for the purchase (for the library). Open Access is given tostudents and staff membersto the reference section of the library, so that they can comfortably refer standard books, encyclopedias and other reference materials present there and to have effective referencing experience as well as to explore of new books related to their subjects. Special reading room facilityand the computers are provided for access to e-content. Access code and the passwords are provided to teachers and the students to access the e-content developed by INFLIBNET, Ahmedabad. Four computers withBraile facility are made available to students with visible disability. Libraryis kept open from 8 AM up to 8 PM. Ramp facility is provided to the students withphysical disability. Social platform is used to notify the users about the currentupdates in the library. A newly constructed building for 24 × 7 access to the students is made in the campus in a recently constructed facility which has come up next to the main library building, which is on the side of a main road and is easily accessible to students.

3. SPORTS COMPLEX - College has a sports complex named as STUDENT's HOME where gymnasium(gym) is functional, with advanced equipment. All the equipment in the gym are are regularly serviced by the experts. Students and the staff have access to the gym facility. Indoor stadium (Badminton hall), and table tennis court with wooden flooring are other facilities which are provided for both students and the staffmembers. The College has two outdoor grounds, one for cricket and the other for football; these grounds are also utilized for other outdoorsports events. College gymkhana has many departments to facilitate the student's extracurricular activities.The Physical Directorof the College is the custodian of

all these sports facilities in the college, and he takes care of the maintenance of all these facilities.

4. COMPUTERS- Maintenance and support are carried outby service personnel of a selected firm, engaged by AMC agreement made by the University.Regular upgradation of the software is done.

5. CLASSROOMS - All the classrooms and the infrastructure therein are maintained by the secretarial staff and personnel of the external agency appointed by the University for this purpose, and the selection of the agency is based on the tender procedure.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-IV/4.4.2 A.pdf |

## STUDENT SUPPORT AND PROGRESSION

## 5.1 - Student Support

## 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

## 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

**243**

| File Description | Documents |
|---|---|
| Upload self attested letter with the list of students sanctioned scholarship | View File |
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | View File |

## 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

## 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the

**institution / non- government agencies during the year**

**15**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |

| **5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills** | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Link to Institutional website | http://kscd.ac.in/IQAC/AQARC/Criteria-V/5.1.3 A.pdf |
| Any additional information | View File |
| Details of capability building and skills enhancement initiatives (Data Template) | View File |

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**00**

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**01**

| File Description | Documents |
|---|---|
| Any additional information | [View File](#) |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | [View File](#) |

| **5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees** | **C. Any 2 of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | [View File](#) |
| Upload any additional information | **No File Uploaded** |
| Details of student grievances including sexual harassment and ragging cases | **No File Uploaded** |

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

### 5.2.1.1 - Number of outgoing students placed during the year

**01**

| File Description | Documents |
|---|---|
| Self-attested list of students placed | View File |
| Upload any additional information | **No File Uploaded** |
| Details of student placement during the year (Data Template) | View File |

## 5.2.2 - Number of students progressing to higher education during the year

## 5.2.2.1 - Number of outgoing student progression to higher education

**124**

| File Description | Documents |
|---|---|
| Upload supporting data for student/alumni | View File |
| Any additional information | **No File Uploaded** |
| Details of student progression to higher education | View File |

## 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

## 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

**11**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | View File |
| Any additional information | **No File Uploaded** |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | View File |

## 5.3 - Student Participation and Activities

## 5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as

one) during the year

**5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

`00`

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | No File Uploaded |
| Number of awards/medals for outstanding performance in sports/cultural activities at unive rsity/state/national/international level (During the year) (Data Template) | No File Uploaded |

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

Gymkhana – College has a gymkhana to promote the sports activities. It consistsof nine departments (excluding miscellany and reading room). Based on merit, rosterand expertise in specific sports, student secretaries are selected for eachdepartment. The student secretaries will assist the Chairperson of the Gymkhana department and the Physical Instructor to select the team to represent the college for sports and cultural events at the national or international as well as the Universitylevel.

Anti-ragging cell –College has an active anti-ragging cell which consists of student representatives. Senior students will coordinate with the teachingmembers of the committee in maintaining a healthy environment in the campus.

Alumni, Parents meets and Placements – Student representatives help in coordinating events like alumni meet, parents meet, placement festivals,internships and projects in the college.

IQAC – IQAC committee consists of twostudent's representatives, and they help the IQAC committee, whenever required.

Miscellany and Study Circles -There are separate student representative for the college magazine committee and for each of

the departmental studycircles. They help in collecting the articles (manuscripts) from the students and assist the Chairperson of the concerned Department in the selection of articles for publication. Studycircle secretaries help to coordinate the required events in the department.

Clean and Greencampus – Small student's groups are created, and they are assigned projects which will lead to the creation of a clean and green environment in the campus and also tomake the campus "plastic free".

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-V/5.3.2_A.pdf |
| Upload any additional information | View File |

## 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

## 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

00

| File Description | Documents |
|---|---|
| Report of the event | No File Uploaded |
| Upload any additional information | No File Uploaded |
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template) | No File Uploaded |

## 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The college has a registered alumni association, namely, Karnatak ScienceCollege Alumni Association, Dharwad (KSCAAD), established on 13th February,2009 (Registration No. DRZ/SY/313/2008-09). The

main objectives of the association are as follows: Suggestions are invited from the alumni for the upgradation of the college infrastructure, industry oriented syllabus, studentfriendly environment and campus beautification. These suggestions are followed up by the college and University authorities, for implementation of the sameafter necessary discussion, wherever possible.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-V/5.4.1_A.pdf |
| Upload any additional information | View File |

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

E. <1Lakhs

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governing council of the institution consists of the Hon'ble Vice Chancellor, Karnatak University, Dharwad as a Chairman, Registrar of the University, one Syndicate member, two Senior Associate Professors and one senior assistant professor as members, and the Principal of the College as Secretary. The Principal monitors the mechanism regarding administration and academic process. The governing council ensures proper functioning of the policies, rules and action-plans of the college. There are many committees which have been constituted in order to support the vision and mission of the college VIZ., NSS, NCC, Career and counseling cell, library and gymkhana, cultural and youth festival committee, internal examination committee, anti-ragging cell, college Miscellany committee, Admission committee, UGC committee, disciplinary committee, scholarship committee, grievances and redressal committee etc. Academic policies are made in the HOD's meeting and are effectively implemented. Principal continuously monitors the teaching - learning activities in each class room and

laboratories individually through the work dairies submitted by the teachers. The financial requirements are proposed by various committees and the Principal or the Governing Council committee approves it. The IQAC strives to works towards the realization of the goals of quality enhancement and its sustenance.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.1.1_A.pdf |
| Upload any additional information | View File |

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Institution always believes in the practices of decentralization and participative management. The Institution enhances the quality at various levels – Administrative, Management, Governing Council, Principal, IQAC, Various Committees, non-teaching Staff, NCC & NSS coordinators and all the other stakeholders involve in the decentralization and participative management.

Management: The College management committee consists of Hon'ble Vice Chancellor, Registrar, Syndicate, Academic Council, Principal, Heads of the department, Teaching and Non-teaching staff. The management endeavors to provide the best possible and substantial independence to the teaching, non-teaching staff and Chairpersons of various departments.

Administration: College administration supports and monitors the development and implementation of policies, programs, and initiatives that are associated with the vision and mission of the college. The administration looks at Admissions, Accounts and Finance, Record Keeping, Evaluation etc.

Faculty Members: Faculty strives hard to implement academic policies and programs. Institution has a mentoring system, where a group of students are allotted to a teacher, who becomes their mentor and takes care of all the curricular and co-curricular activities of the mentee.

Non Teaching Staff: Technical staff of the college are supportive and help in implementation of academic activities. The concerned non-teaching staff meet and accomplish operational and strategic

objectives.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.1.2 A.pdf |
| Upload any additional information | View File |

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plans

1. Preparation of Calendar of Events for each academic year.
2. Plan to conduct Induction Programme for fresher's.
3. Plan to prepare AQAR report.
4. Plan to prepare Academic and Administrative Audit report.
5. Plan to meet out Vision and Mission of the college.
6. Plan to conduct webinars on various subjects and skill and value based subjects to enhance the proficiency of students and staff.
7. Plan to invite entrepreneurs for placement drives.
8. Plan to conduct extension activities under the banner of NCC and NSS.
9. Plan to organize training programmes for faculty and students.
10. Plan to motivate M.Sc. and Ph.D. students to clear NET/SLET and other eligibility exams.
11. Plan to undertake best practices like "Seed dibbling" during study tours.

Deployment: The college takes initiatives to implement the above strategic plans for better utilization of available human resources and infrastructure. Students' academic excellence, their empowerment and welfare is of prime importance while formulating the strategic plan. Deployed events are - Preparation of calendar of events, Induction programme, Cyclic AQAR reports, AAA, Events organized by IQAC/NSS/NCC/various departments etc.

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.2.1_A.pdf |
| Upload any additional information | No File Uploaded |

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Institution was established in 1917 to cater to the needs of education to the people of entire North Karnataka as it was the only Government College in the entire north Karnataka. Since its inception college has its governing body to monitor and achieve the Goals, Vision and Mission of the institution. Our institution tries to gear up the process of Learning, Teaching and Assessing strictly. Institution is devoted for quantitative and qualitative growth of higher education built around the principle of equity and social justice. It is also dedicated to maintain its identity and keep up the cultural values and at the same time efforts are on to maintain its status. There is no substitute for a holistic approach to educational reforms, if the desired results are to be made.

In this context, our system of teaching, learning, assessing is to be redesigned to meet the challenges of the changing times. Our old system of teaching, learning and assessing based on role memorization and other related objectivities still dominate over cognitively more complex objectives like creativity. The need of the hour is to produce an academic community with more creativity.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Link to Organogram of the institution webpage | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.2.2 A.pdf |
| Upload any additional information | View File |

| 6.2.3 - Implementation of e-governance in | B. Any 3 of the above |
|---|---|

**areas of operation Administration Finance and Accounts Student Admission and Support Examination**

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | **No File Uploaded** |
| Screen shots of user inter faces | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | **No File Uploaded** |

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

**Institution effectively implements different welfare schemes for its teaching and Non-teaching staff. College makes arrangements for the staff members to avail the various government financial schemes such as Gratuity, Pension, Commutation, EL encashment, Maternity & Paternity Leave, Medical Facility, Sabbatical Leave, On Duty Leave with Financial Assistance to attend Conferences, faculty development programmes (FDPs), Orientation, Refresher & short term courses, Summer Schools. Interest free festival advance for celebration of festivals. There is a provision for Government Provident Fund for all the staff. Death-cum-Retirement Gratuity(DCRG), commutation of pension, and EarnedLeave encashment facility. Group Insurance scheme for staff members, Advance increments after earning Ph. D. Degree. Reimbursement of Medical expenditure, Cooperative Society is present with provision of loans to employees andteachers at subsidized rate. Regular Carrier Advancement Scheme facility is made available to the eligible staff members, Compensatory job facility to the spouse of the employee in the event of demise of a staff member. Other benefits are- Wi-Fi facility for both faculty and staff, Free medicine are available in the pharmacy for staff, Staff quarters available for teaching and non-teaching staff of the college within the campus, banking facility, Gym facility is made available for teaching and non teaching staff.**

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.3.1_A.pdf |
| Upload any additional information | View File |

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

0

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | **No File Uploaded** |

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

0

| File Description | Documents |
|---|---|
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | **No File Uploaded** |
| Reports of Academic Staff College or similar centers | **No File Uploaded** |
| Upload any additional information | **No File Uploaded** |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | **No File Uploaded** |

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

**16**

| File Description | Documents |
|---|---|
| IQAC report summary | **No File Uploaded** |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | **No File Uploaded** |
| Upload any additional information | <u>View File</u> |
| Details of teachers attending professional development programmes during the year (Data Template) | <u>View File</u> |

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

**A "good performance" management system works towards the improvement of the overall organizational performance of teams and individuals for ensuring the achievements of the overall organizational mission and vision. The institution has adopted an**

effective performance management system which plays an important role in managing the organization in an efficient manner. In view of this, the Institute is following two types of appraisal scheme suggested by UGC viz. Performance Based Appraisal System (PBAS) and "Self Appraisal Report". The PBAS provides a feedback of the faculty member. It helps them in understanding the changing needs of students. All teaching faculty member fill the prescribed format of PBAS for self-appraisal. This system encourages them to perform effectively in teaching and learning. The institution has PBAS for assessment of teaching staff. The appraisal report is based on the annual performance of the employees, on the basis of their academic, research and other extracurricular activities. This format [PBAS] is filled by the employee in a given prescribed pro-forma. The format contains twomain parts.The first part, that is, part-Aconcerns General instruction, Teaching activities, Research Activities, Contribution to Books, Laboratory manuals, etc., Work done for the University other than teaching and research, Extension/or Consultancy work.The Part-B consists of Students feedback, Assessment by the Head of the Institution and last part of the same is covers remarks by the Vice-Chancellor of Karnatak University, Dharwad.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.3.5_A.pdf |
| Upload any additional information | View File |

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

College maintains the finance and accounts systematically and regularly. Since the college is a constituent college of Karnatak University Dharwad, Government audit mechanism is followed, which performs timely checks on the expenditure made through college funds as well as the finance department of Karnatak University, Dharwad. A team of Government auditors visits the college annually and audit the status of expenditure under each budget head of the college office and individual departments. The proper utilization of funds allotted for the research schemes by different funding agencies are also checked by auditors or Chartered Accountants. After the submission of the audit report by the auditors,

**objections if any will be immediately addressed during the reconciliation by the auditors from Accountant General, Government of Karnataka. Due to Covid-19 Pandemic lock down Government auditors have not taken up the audit for the financial year 2020-21.**

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.4.1_A.pdf |
| Upload any additional information | View File |

**6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

**00**

| File Description | Documents |
|---|---|
| Annual statements of accounts | No File Uploaded |
| Any additional information | No File Uploaded |
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template) | No File Uploaded |

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

**The institution mobilizesthe funds from various sources like, collection of fees from the students, Salary grant from the Government, Development and maintenance grants from UGC. Details of these financial sources are as follows.**

**1.Fees: Fees charged as per the university and government norms from students of various granted and self financed courses.**

**2.Salary Grant: The College receives salary grant from the State Government. For this, we prepare and send an annual budget of the estimated salary grant required to the state government. This grant includes salaries of the Full Time Permanent teachers and non-teaching staff as well as part-time teachers working on**

granted posts.

3. UGC Grants: Our College is under 2F and 12B as per UGC Act and Permanent Affiliation of the University. So we receive grants from the UGC for the development and maintenance of Infrastructure, and upgradation of the Learning Resources and Research (including grants for Minor and Major Research Projects).

4. Research grants: Majority of the staff members are the research guides, who have been recognized by Karnatak University, Dharwad and are actively involved in research activities. Many of them have applied and got sanctioned major and minor research projects by many Govt. And non-govt funding agencies like: UGC, DST, DBT, SERB, NMPB etc. Apart from this KUD also has sanctioned seed money for 10 staff members; they have been provided a sum of Rs. 50000/- each for implementing their research proposals.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.4.3_A.pdf |
| Upload any additional information | View File |

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC meets twice in a year in order to plan, direct, implement and evaluate the teaching, research and publication activities in the College.

Following are the important IQAC initiatives:

1. Academic and Administrative Audit through IQAC :

College takes academic audit of each department, office, library, hostel, and health centre every year through IQAC. The expert committee submits its evaluation report to the Principal and the IQAC. The same is placed before the HOD's, in a meeting for suggestions and approval. IQAC, in turn strives to implement the suggestions made by the AAA committee in its report.

2. Implementation of Green practices in the campus:

IQAC initiate various green practices such as - Tree Plantation, paper-less office through e-governance, creating plastic free zones, keeping Clean and Green Campus, saving electricity by way of installing solar panels, workshop for preparation of Paper Bags. Because of these practices, eco-friendly and pollution free environment is created in the college campus. The college practices green auditing through carbon sequestration, which indicates the vegetation density.

Other IQAC initiatives: Use and enrichment of ICT infrastructure, adopting Induction programmes, organized academic development Programmes, Placement Drive, Assessment of teacher's performance.

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.5.1_A.pdf |
| Upload any additional information | View File |

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC constantly reviews and takes steps to improve the quality of teaching-learning process. Academic Calendar is prepared in advance, displayed and circulated in the Institute, and the same is strictly followed. Admission to various programmes, summer, winter and mid-term vacations, examination schedule and declaration of results are notified in the Academic Calendar. All the newly admitted students have to compulsorily attend the Induction Programme, in which they are made aware of the philosophy, the uniqueness of the Education system, the teaching learning process, the system of continuous evaluation, compulsory core courses, various co-curricular activities, discipline and culture of the Institute. All students are also given a guided tour of the campus and the various facilities. Students are apprised of the Time-Table, Programme structure, and syllabi of the courses even before the semester commences. Important announcements are made in the morning assembly and attendance and conduct of classes are monitored by the Principal. Feedback from students is taken in virtual mode by IQAC. Students are also free to approach the Principal for feedback and suggestions. Feedback is properly analyzed and shared with the principal and staff members. The teaching-learning processes are reviewed and

**suggestions are implemented, based on the IQAC recommendations.**

| File Description | Documents |
|---|---|
| Paste link for additional information | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.5.2_A.pdf |
| Upload any additional information | View File |

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**B. Any 3 of the above**

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | http://kscd.ac.in/IQAC/AQARC/Criteria-VI/6.5.3-C.pdf |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | View File |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

**INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

**The Institution is committed to promote gender equality as guaranteed by our Indian constitution. In this direction the college facilitates an enabling environment that is creative, productive and respectful to all, irrespective of gender identity. Equal importance is given to both men and women in all the activities of the college. This enables them to treat each other with respect, dignity and equality, not only in college, but also**

in their personal and professional lives. The institution promotes gender sensitization through co-curricular activities like workshops, seminars, guest lectures, poster exhibitions, counselling etc. Based on the outcome the institution with pride declares that 'We are gender neutral educational institute'.

The institution, maintains and promote gender equity through forming different committees including both male and female staff members and student representatives.

1. NSS: College has an NSS unit with the strength of 100. Girls and boys have the equal share in admission, participation in all types of camps, work being carried out in the campus and outside the campus.

2. NCC: College has 1/24 KAR, NCC students battalion including boys and girls. All the cadets share the equal responsibility.

3. Library: Our library is not having a separate wing/reading room for boys and girls. In order to take the safety of the students, library has a CCTV serve lance facility.

4. Teachers Association/Staff Club/Common Room: In all these components, both male and female staff members are the regular members and share equal responsibility and participate in all the activities.

5. Celebration of National Festivals: All the staff members and students collectively celebrate the national festivals.

6. Study Tours/Field Visits: In the departments where study tour/Field visit is a compulsory component of the curriculum, both boys and girls participate.

7. Curricular and co-curricular activities: College organizes many Seminars, workshops, Symposium, Special Lectures, Cultural events, Indoor and outdoor Sports. In all these activities no special provisions were made for boys and girls and are treated equally.

8. Committees: The institution constituted the following committees as per norms laid by University/UGC: Institution Grievance Redressal Committee, Anti-Ragging, Sexual harassment prevention cell, Students' Disciplinary Committee, SC /ST Students Welfare Committee, Mentoring Programme cares for the well-being of students and staff in the institution. The functions of these committees are displayed on the website of the institution and information is being disseminated to the students through orientation and induction programs. The institution provides safety and security facilities for the staffs and students such as CCTV Surveillance throughout the campus and security arrangement.

Students and staff wear ID cards at all times and outsiders are checked by security staff deployed at the entrance gate.

9. **Counselling Cell:** The institution has a dedicated Counselling cell called "AKKA" for the students to take care of their academic, emotional, social and cognitive development. Personal Counselling is provided to the students at different levels. There are separate washroom facilities for girls and boys.

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | Nil |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | http://kscd.ac.in/IQAC/AQARC/Criteria-VII/7.1.1 A.pdf |

| 7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures  Solar energy Biogas plant Wheeling to the Grid  Sensor-based energy conservation Use of LED bulbs/ power efficient equipment | C. Any 2 of the above |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged Photographs | View File |
| Any other relevant information | No File Uploaded |

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

The functioning of the college exerts negligible stress on environment. Our college students and Staff arranged different programmes towards the protection of our environment and initiated to reduce the generation of wastes. The most challenging issue of modern civilization is the Waste Management. To overcome this problem proper waste management is indispensible. In this direction our college has a well-developed waste management system implemented successfully.

- Solid waste management

Our college has a big campus spread over an area of 54 acre. A separate place is identified where the solid waste materials are disposed. College produces a very less amount Solid waste through regular activities includes paper, glass, food residue and packaging material etc. Every Sunday College NSS Volunteers arrange swachchata programme in the campus and makes college campus solid waste free campus. In addition to this many dust bins are placed in different corners of the campus and students are encouraged to put the waste materials into these bins, which is later emptied by the proper waste disposal area and in turn it is lifted by the city corporation. Our institute already a plastic free campus and it encourages all the students and staff both to be plastic free. The campus is having a big green coverage.

- Liquid waste management.

Liquid Waste is mostly generated in our college by:

1. Sewage Waste

2. Hostel and Canteen Waste

3. Labrotaries

Liquid waste is generated during food preparation and washing of cooking utensils in the Canteen and Hostels. College campus has an underground drainage system and liquid waste from the Hostel and college Washrooms is safely discharged in to it.

- E-waste management.

College produces e-waste through Electronic instruments, Computers and their components, electrical materials etc. Repairable e-waste will be segregated and inspected by the expert authority and repair and will be reused. College has a provision for E-waste storage at appropriate place. Later authorised persons identified by Karnatak University will carry the same by taking required precautions.

Waste recycling system.

There is no system of Waste recycling in the college. However, there are rain water harvesting units in the campus.

| File Description | Documents |
|---|---|
| Relevant documents like agreements / MoUs with Government and other approved agencies | [View File](#) |
| Geo tagged photographs of the facilities | [View File](#) |

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

`A. Any 4 or all of the above`

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | [View File](#) |
| Any other relevant information | `No File Uploaded` |

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

`A. Any 4 or All of the above`

| File Description | Documents |
|---|---|
| Geo tagged photos / videos of the facilities | [View File](#) |
| Various policy documents / decisions circulated for implementation | `No File Uploaded` |
| Any other relevant documents | `No File Uploaded` |

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and**

`D. Any 1 of the above`

**energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

| File Description | Documents |
|---|---|
| Reports on environment and energy audits submitted by the auditing agency | View File |
| Certification by the auditing agency | **No File Uploaded** |
| Certificates of the awards received | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

`D. Any 1 of the above`

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | View File |
| Policy documents and information brochures on the support to be provided | **No File Uploaded** |
| Details of the Software procured for providing the assistance | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution believes in equality for all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination evidenced through the implementation of dress code to all the students. Though the institution has students from diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great favour, the national festivals, birth anniversaries of great Indian personalities like, College Founder's day- on 09/08/2020, Sir. Siddappa Kambli birth Anniversary 11/09/2020, Mahatma Gandhi-02/10/2020, Maharishi Valmiki Jayanti-24/10/2020, Swami Vivekanand-12/01/2021, Lard Basavanna-14/05/2021, Pandit Jawaharlal Nehru-14/11/2020, Dr. Bhimrao Ambedkar-14/04/2021, Sarvepalli Radhakrishnan-05/09/2020, Lal Bahadur Shastri -02/10/2020 etc. are celebrated every year. These celebrations will inculcate the idealism, dedication, patriotism, sacrifice for the nation among the students.

| File Description | Documents |
|---|---|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | [View File](#) |
| Any other relevant information | No File Uploaded |

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The institution sensitizes the students and the employees to the constitutional obligations about values, rights, duties and responsibilities and constantly works upon to nurture them as better citizens of the country through various curricular and extra-curricular activities.

The college curriculum is framed with courses like Introduction to Indian Constitution, Philosophy of Human Rights as a small step to inculcate constitutional obligations among the students. The institute hoists the flag during national and regional festivals festivals like Independence Day, Republic days and Kannada Rajyostava day respectively. On these occasions, Principal addresses the gathering and inspires students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens. NCC and NSS volunteers

exhibit the God of honour to the principal, staff members and guests to show the discipline and respect to the head of the institution.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bond and relation. The institution takes pride of raising up successful leaders among the students by selecting students on the bases of their results as student representatives for Science Association, different study circles, Miscellany. However, student representatives as secretaries in different department of Gymkhana are selected based on their proficiency in respective sports events (as per bylaws of college Gymkhana). The selected student representatives are given the oath to be abide by the rules and regulations to maintain dignity and decorum of the institution as mentioned in the bylaws of Gymkhana. The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution/ Debates activities. The institution has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students. The students have enthusiastically participated in various activities like seminar, conferences, expert talks, poster making competition etc. Various departments of the institution and NSS unit are actively involved in conducting several activities for inculcating values for being responsible citizens are given below:

1. Creating awareness on Covid-19.
2. Distribution of masks to the public.
3. Collection of solid waste and keeping the campus clean.
4. Van Mahotsav day,
5. Voters awareness program,
6. Swach Bharat Abhiyan,
7. International Human Rights Day

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | hhttp://kscd.ac.in/IQAC/AQARC/Criteria-VII/7.1.9_A.pdf |
| Any other relevant information | Nil |

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff    4. Annual awareness programmes on Code of Conduct are organized**

C. Any 2 of the above

| File Description | Documents |
|---|---|
| Code of ethics policy document | No File Uploaded |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Karnatak Science College, Dharwad is one of the premier higher education institutions in the Northern part of Karnataka, which is fulfilling the educational needs of the rural and economically backward sections of the society. This institution has produced many national and international legends and Jnanapeeta awardees, including Late Dr. V. K. Gokak, Late Dr. Girish Karnad, film makers like Suresh Heblikar, software legends like Nandan Neelekani among many others. Our college enthusiasticallycelebrates days of National and International

importance, every year. All staff members and students gather in the college to celebrate these occasions. Every culture has a number of festivals, and a celebration of the same has become a vital activity. Celebration of cultural and constitutional festivals is an integral part of the college's co-curricular activities. Throughout the year, different days are celebrated by students with the guidance of teachers, which help them to know about different cultures and to cognitively imagine India as a nation. The academic calendar is brimming with important events, which demonstrates the enthusiasm of this institution in celebrating many national as well as international days, as well as commemorative events and festivals.

Republic day: It is celebratedin the college on 26th of January every year, with great enthusiasm and pride. It is a day to remember, when India's constitution came into force (on 26th January 1950), thereby completing the country's transition towards becoming an independent republic. A function is organized in the college campus, during which all the staff members and students share their thoughts about the importance of this day in the history of our nation, and to pay tribute to all freedom fighters who sacrificed their lives in order to gain the freedom for India.

Independence Day: Independence Day is celebrated on 15th August in the college. It is celebrated on 15th August every year, commemorating the nation's independence from Britishers on 15th August 1947. It is a day when all staff members and students pay homage to their leaders and those who fought for India's freedom in the past. Besides these two national days, a number of other national and international days are also celebrated in our institution, so that students get knowledge about the great personalities in our political, social, cultural and scientific history, such as Mahatma Gandhi, Sardar Vallabhbhai Patel and Lal Bahadur Shastri.

International Women day: International Women day is celebrated in our college on 8th March every year. The day is used to recognize women who have made significant contribution to the advancement of their gender. The day is celebrated under auspices of women cell (AKKA) of the college.

International Yoga day: International Yoga day is also celebrated on 21st June every year in the college. The day aims to raise awareness of many benefits of practicing yoga. It is celebrated to spread awareness about importance and effects of yoga on the health of the people. In this activity, both students and the

staff participate. They perform yoga scientifically in the open theatre of the college, under the guidance of a Yoga trainer from the college. Every year, in this activity, about 130 to 150 students participate.

Kannada Rajyotsava: Every year, students and staff of the college celebrate Kannada Rajyotsava on the 1st November, in commemoration of renaming the state as KARNATAKA in 1973. It is celebrated as Karnataka Formation Day. This was the day in 1956 when all the Kannadalanguage-speaking regions of south western India were merged to form the state of Karnataka.

Teacher's day: Teacher's day is celebrated on 5th September every year to commemorate the birth anniversary of Dr. Sarvepalli Radhakrishnan, former President of India, to promote the values and principles of a true and dedicated teacher. On this occasion, the cCollege has a tradition of felicitating the retired and retiring teachers who have served the institution.

Mahatma Gandhi Jayanti: The birthday of Mahatma Gandhi and Lal Bahadur Shastri on 2nd October is celebrated as Swachhta Diwas. "Swachh Bharat Abhiyan" was launched on 2nd October in order to honour Mahatma Gandhi's vision ofa clean India. It served as a great initiative to make students aware of the importance of cleanliness. Lal Bahadur Shastri's sloganJai Jawan Jai Kisanreverberates even today through the length and breadth of the country. Underlying this is the inner-most sentiments 'Jai Hindustan'. The war of 1965 was fought and won for our self-respect and our national prestige.

National Constitution day: 26th November is also celebrated as National Constitution day to commemorate the adoption of the constitution of India by the constituent assembly of India. On this day, Dr. B. R. Ambedkar, the creator of the constitution is remembered.In fact,on the 19th November 2015, the Government of India announced that26th of November will be celebrated as constitution day, every year.Thereby, the students are provided with an opportunity to have an insight into the event, and they understand the struggle and the sacrifices made to achieve this.

National Youth Day: National Youth Day is celebrated on 12th January of every year in commemoration of the birth anniversary of Swami Vivekananda. Onthis day, the students are encouraged to speak about the views of Swami Vivekananda towards building a strong and healthy nation and the responsibilities of the present day youth. The slogan "Arise, awake, and stop not till the goal is

**reached" is remembered on the occasion.===**

| File Description | Documents |
|---|---|
| Annual report of the celebrations and commemorative events for the last (During the year) | **No File Uploaded** |
| Geo tagged photographs of some of the events | View File |
| Any other relevant information | **No File Uploaded** |

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

**Karnatak Science College has incorporatedmany best practices. Among them, the popular best practices are listed here.**

1. **Best Practice**

1. **Title of the Practice: Students Mentoring System**
2. **Objectives: Karnatak Science College has a well planned "students mentoring system", which is being implemented meticulously for each class, across different programs. For regularly monitoring the progress of students, all the students belonging to different semesters and with different subjects were divided among the teachers (who are engaging either theory or practical classes for them) right at the beginning of the academic year. The mentoring system is employed to enable students to succeed both in college life and in theircareer.**

1. **Mentees will be counselled by the Mentor to understand their strengths and weaknesses, and they will be guided to set realistic academic goals.**
2. **For the overall development of the mentees, each will be motivated to take an active part in co-curricular activities, like for example, taking part in cultural, sports, indoor and outdoor games.**
3. **Attend to the distress calls and the issues faced by the students in class, with regard to theiracademic, social, and emotional problems.**
4. **To undertake academic counselling and career counselling tasks.**

1. Context: The challenges and issues faced in the mentoring system are:

   1. Since there are more than one hundred students in each class, attending to the grievances of each (individual)student's academic and administrative needs and addressing them is a difficult task.
   2. Identification of a sincere and hardworking leader or monitor, who can give the collective review of all the mentees in the class to the mentor.
   3. Inspiring students to participate in the activities organized by various forums in the college, namely, Science Association, Study circles, seminars/workshops/training programmes, awareness programmes, NCC and NSS, among many others.
   4. Identifying academically weak students and arranging for special classes and remedial classes.
   5. The mentor also needs to provide sufficient intellectual stimuli and proper guidance to the advanced learners in the class.
   6. Coordinating with the parents/guardian of the students is an important aspect of mentoring, as it is difficult to get in personal touch with outstation parents/guardians.

vii. Providing guidance to emotionally and psychologically distressed students is a great challenge, requiring the assistance of professionals, like psychiatrists, for example.

   1. The Practice: The mentoring system, which has been practiced in this college for the last several years, is instrumental in responding effectively to the various needs of students at the grass root level. This is one of the important core component practiced in the institution.

   1. At the end of each academic year, mentor teacher submit a brief annual report indicating the strengths and weaknesses of the mentee students.
   2. Each mentor is provided with all the details of the mentee students required for further monitoring.
   3. The mentor arranges for parents' meetings once in each term in coordination with the Student Welfare Officer of the college to discuss about their wards performance, status of attendance and the academic programs of the college.
   4. The mentors nurtur and guide the students regarding any issues that may have confronted them.
   5. The mentor implements programs for separate intervention for

the academically weak students and the advanced learners in their respective class.

6. They provided guidance and counselling to the students regarding personal and academic issues.

7. Academic counselling and career counselling tasks wereare performed by the mentors, particularly for students aspiring for higher studies.

8. The mentor guides students both in co-curricular and extra-curricular activities,by motivating them to become members of various forums and by encouraging them to participate in fests organized by the college and elsewhere.

1. Evidences of Success: The mentoring program in college has expanded rapidly to emerge as a significant feature in theits functioning. As a result of mentoring, the following positive developments have taken place.

1. Few mentors of the final year classes have taken up activities with mentees of their respective classes that has enhanced the employability skills of these students. This is evidenced by an increased number of students who have progressed towards higher education and placement.

2. Many final year students were motivated by their mentors, and they voluntarily came forward to shoulder responsibility as student secretaries of various departments in the college Gymkhana. Their work has resulted in many students bagging prizes in different competitions as well as recognition as "Karnatak University Blues".

3. Advanced learners were provided with reference material for theory and practical classes, as a result of which most of these students have scored well in the Semester - end examinations and they have obtained University ranks.

1. Problems Encountered and Resources Required: The college understands and acknowledges the need for effective mentoring, as it results in better outcomes for the students.

1. As a majority of the students who have been admitted to this college are from rural background, exploring their hidden talents and motivating them is a challenging task, and the mentor has to strive hard to take these students to confidence and spend more time with them.

2. Each class consists of more than one hundredstudents, the number of students assigned to each mentor is quite large, and therefore, it becomes difficult for the mentor to

concentrate on each student's progression. Hence, more manpower is required.

3. To develop the placement skills among the mentees, programmes for skill enhancement needs to be conducted by inviting prospective employers or external agencies, and the college is forced to meet out the expenses from its internal resources.

1. Best Practices

1. Title of the Practice: Solid waste management and creating eco-friendly Green campus

2. Objectives: Karnatak Science College has a wide spread green campus, with fifty four acres, having good green cover. To maintain cleanliness in the campus, it has adopted a best practice called "Solid waste management and creating eco-friendly campus".

1. To meet out the requirements of a green and clean campus, waste generating places have been identified; in fact, somemeasures have been designed and implemented in order to maintain cleanliness in the college campus.

2. Dustbins have been provided to segregate wet and dry solid waste at the identified locations in the campus.

3. Dry waste is emptied in collaboration with the city municipal corporation, and the wet waste is used for composting.

4. The compost generated is used in the botanical garden of the college.

5. Awareness has been created among the students about the impact of cleanliness on health and well-being of individuals present in the campus.

6. Waste management is achieved in a non-polluting and responsible manner.

7. All the departments in the campus are responsible to maintain greenery, by way of plantation drives and also by nurturing the existing plants in the campus.

8. Establishment of renewable energy sources like roof-top solar power plants in the campus is being attempted.

9. Campus green auditing and carbon sequestration has been taken up.

10. Collection and proper maintenance of e-waste are done.

1. The Context:

1. Since our college campus is very large, with around one

thousand and five hundred students studying in various departments existing here, the generation of solid waste is natural. Hence, it is essential to develop protocols and healthy practices to ensure a pollution free campus.

2. In fact, light weight dry waste is subjected to disperse in the campus due to strong winds, thereby creating an unhealthy environment. Therefore, the light weight dry wasteneeds to be collected, before its proper disposal by scientific segregation and disposalmethodologies.

3. To reduce energy dependency by using renewable resources.

4. To conserve and enrich the ground water by adopting rain water harvesting strategies.

5. To recycle wet waste, by converting it into a compost, and later using it as manure in the garden present within the campus.

1. The Practices: Solid waste management and creating a eco-friendly campus is a healthy practice in our college campus. Hence, the campus is green and clean,m thereby attracting a large number ofmembers of the public, who enjoy exercising in the campus, breathing the fresh air.

1. Waste generating locations like cafeteria, students home, laboratories, vehicle parking slots, hostels, bank, health centre, among many other locations have been identified and dustbins are installed for the collection of waste. In fact, the collected waste is segregated at the place of collection itself. Dry solid waste is emptied by the municipal corporation, whereas the wet waste is dumped in pits for composting, and the compost is used for the garden. The e-waste is emptied by the personnel identified by Karnatak University, Dharwad.

2. Harnessing Solar Energy:

3. Installed capacity in hostels: 6 units of 500 litre each capacity (Equivalent to 120 electric geysers of 25 litre capacity each)

4. One Solar panel to recharge UPS system of 2kVA capacity.

5. Eleven Solar Street Lights are provided in the campus

6. Rain water harvesting: Each department harvesting rain water to reduce the water requirement and use it for various purposes, particularly in the laboratories and for gardens. There are four rainwater harvesting pits with the Standard plot area 200 Sqmt, required volume of 4.0 Cumt rain water harvesting pit with the dimension of 2.0 mtrs are provided in the campus.

1. **Evidences of Success:** The practice of Solid waste management and creating eco-friendly Green campus has made a significant impact, by creating a pollution free campus. Some of the evidences are listed, as follows.

1. This process has created a plastic free and green campus which has supported the teaching and learning process by creating a suitable environment.
2. The process of Carbon sequestration reveals the reduction of carbon dioxide concentration in the atmosphere of the campus.
3. Harnessed Solar energy has reduced our dependency on non-renewable energy sources like electricity. This facility has benefited nearly 700 girl students in the hostel.
4. 2 kVA Solar energy recharging UPS has been installed, and it can be used for four hours, uninterruptedly.
5. Harvested rain water has enriched the ground water situation and the excess amount of water is used for gardening.

1. **Problems Encountered and Resources Required:**

1. Problems encountered: NIL
2. Resources Required: Thecollege meets out the expenses incurred for this activity from its internal resources

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | http://kscd.ac.in/IQAC/AQARC/Criteria-VII/7.2.1_A.pdf |
| Any other relevant information | Nil |

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Performance of Karnatak Science College, Dharwad is in line with its vision, priorities and the thrust to achieve its mission. The students admitted in this college can choose to study subjects from a wider choice, as more than 28 different subject combinations, which include rare subjects like Genetics, Industrial Fish and Fisheries, Biotechnology, Microbiologyand Forensic Science are available as optional subjects here. In fact, Karnatak Science College, Dharwad is the only constituent college

of Karnatak University, Dharwad giving students an chance to choose subjects (for study) from such a wide variety of optionals. In addition, some departments in the college have Post-Graduate sections too, and there are recognised Guides in 7 subjects, for those students who wish to pursue their Ph.D. courses.

Vision of the college: Just Equitable, Tranquil, Harmonious Social Order with Scientific Temperament.

Jawaharlal Nehruin his book "The Discovery of India", quotes that "Scientific temper is a way of life — an individual and social process of thinking and acting which uses a scientific method which may include questioning, observing reality, testing, hypothesising, analysing and communicating". In support of the above statement, the teachers at Karnatak Science College encourage as well as guide the students to develop a rationalistic view of situations, and logical scientific thinking. In the college, scientific temperament is developed among the students by the teachers in the following ways.

1. Create a pro-science home: Every teacher encourages all the students to ask questions related to the subjects taught in theory and practical classes. Students are prompted to find out an answer for their question by way of giving hints. If they are unable to find out the answer, they are directed to use reliable sources which are available to them, like dictionaries, encyclopaedia, reference books, text booksand online links, among many others. Students are encouraged to watch more number of scientific programmes by using electronic media, rather than programmes which merely have entertainment value.

2. Develop critical thinking skills: Students are allowed to doubt the well-established hypothesisor concepts, and they are encouraged to raise questions which have been independently framed by using their reasoning. Every teacher instructs the students about the inductive reasoning, which means that specific instances can be derived from general principles. They also provide them(students)not just with knowledge, but an awareness and inspiration to develop an interest to know more, thereby allowing them to marvel at mysteries that are yet to be solved.

3. Support their experiments: Students are prompted to find out the answers to questions by using their reasoning rather than just referring the internet sources. The teachers appreciate those students who find out solutions for the problems, and thus motivate them to debate on the

      traditional and unfounded biases and arrive at their own conclusions.

4. Opportunities to apply what they learn: Teachers perform the experiments in the laboratory as per the standard procedures available in the manuals prepared by them and show the results to prove the genuineness of the procedures adopted by them. Our teachers take knowledge out of the textbooks into the world around them. When it comes to academics, teachers ask students to raise the questions that cannot be obtained directly from the textbooks. They give examples of real-life applications while explaining the concepts.

The objective of adopting these measures to develop a Scientific temperament among students is to bringing forth a progressive society that is free of superstitions and irrational practices.This helps to develop the correct attitude among future and young citizens of our nation, in political, economic and social spheres, and helps to promote tolerance among people having differing thoughts and ideas, as well as professing different religious practices, which is vital in a country like ours, with its wide diversity.

| File Description | Documents |
|---|---|
| Appropriate web in the Institutional website | [View File](#) |
| Any other relevant information | No File Uploaded |

7.3.2 - Plan of action for the next academic year

1. Induction programme for first year students and Parents meeting - Newly admitted students will be introduced to all the departments and the staff members, so that the students become well acquainted with the campus facilities available.

2. Establishment of e-Governance for the quality initiatives of academic and administrative concerns - To keep a continuous record of student progression to higher education/ employment and to promote paperless office, institutional email IDs will be provided to all the faculty members for the internal communication

3. Starting skill based certificate/vocational programmes - To meet out the goals of NEP and to create employability in students, need based skill development and vocational courses will be started

4. Promoting teachers for e-content development -To promote online teaching, faculty members will be encouraged to

develop e-content in their respective specialization and upload the same to website/YouTube.

5. Strengthening Academic-Industry interface - Linkages will be established with the local industries to create employability by way of establishing MoU's.

6. Maintaining eco-friendly, green and clean environment in the campus - A separateparking facility will be provided for teachers and students at different locations in the campus so stop the vehicular movement inside the campus. Plantations drives will be continued at regular intervals to increase vegetation and the students are motivated to monitor them under best practice programmes. Maintenance of the installed dust bins.

7. Conducting student focused academic and skill development activities.

8. Promoting students for conducting small projects and publishing their findings in academic journals.

9. Proper execution and monitoring of NEP (National Education Policy 2020).

10. Promoting Vaccination drive for Covid-19 - Students and staff members areencouraged to take vaccine in our health centre.

11. Society oriented extension programmes will be conducted.