



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	KARNATAK SCIENCE COLLEGE
Name of the head of the Institution	Dr.(Smt.) A.S. Bellad
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0836-2215410
Mobile no.	9225340906
Registered Email	kcdnaac@gmail.com
Alternate Email	principal.kscd@gmail.com
Address	College Road, Near All India Radio, Dharwad
City/Town	Dharwad
State/UT	Karnataka
Pincode	580001

2. Institutional Status																									
Affiliated / Constituent	Constituent																								
Type of Institution	Co-education																								
Location	Urban																								
Financial Status	state																								
Name of the IQAC co-ordinator/Director	Dr. L. T. Nayak																								
Phone no/Alternate Phone no.	08362215400																								
Mobile no.	9448746967																								
Registered Email	kscdiqacvision2324@gmail.com																								
Alternate Email	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: Weblink :	http://www.kscd.ac.in																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> <td>3.26</td> <td>2009</td> <td>25-Sep-2009</td> <td>24-Sep-2014</td> </tr> <tr> <td>3</td> <td>B</td> <td>2.22</td> <td>2019</td> <td>26-Sep-2019</td> <td>03-Mar-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	A	3.26	2009	25-Sep-2009	24-Sep-2014	3	B	2.22	2019	26-Sep-2019	03-Mar-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
2	A	3.26	2009	25-Sep-2009	24-Sep-2014																				
3	B	2.22	2019	26-Sep-2019	03-Mar-2024																				
6. Date of Establishment of IQAC	01-Jun-2001																								
7. Internal Quality Assurance System																									
Quality initiatives by IQAC during the year for promoting quality culture																									
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																						
Regular meeting of	19-Mar-2019		7																						

Internal Quality Assurance Cell (IQAC)	2	
Submission of Annual Quality Assurance Report (AQAR) to NAAC	29-Sep-2018 6	25
Feedback from all stakeholders collected, analyzed and used for improvements	04-Jul-2018 10	415
Green-auditing of the college campus	04-Dec-2018 15	730
Scholarships (Cash prizes) for meritorious students	16-Feb-2019 7	13
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Chemistry	SERB	SERB, New Delhi	2016 1460	4192144
Chemistry	RGS/F	VGST, Bangalore	2019 365	500000
Geology	SERB	SERB, New Delhi	2018 1095	2310000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

Significant contributions made by IQAC during the current year

1. Skill enhancement programme for chemistry teachers on One day Workshop on "UG Chemistry Practical techniques, performance, evaluation and guidelines".
2. Encouragement for Promotion of Interdisciplinary Research.
3. Skill Components enhancement for undergraduate science students. "How to make it attractive and useful to UG students key note by : Prof. M.S. Hegde, IISc Bangalore."
4. Enhanced Industry Institute interactions.
5. Future Energy crises and role of nuclear energy in the present scenario "nuclear energy for empowering future" (NEEF2018).
6. Encouraging the department to establish MoU with different academic and non academic organizations.
7. Two Days Workshop on "Industry Oriented Training".

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Encouragement of under graduate science students for Skill Components programmes.	Every Science Department offers a small skill development component which is not covered in the curriculum. Students have participated and gained Hands-On-Training during these skill developing sessions. After completion of the hands-on training, the students are assigned small projects to test the outcome of the training programme.
Enhanced interactions with Industry/field/site experts.	Industry/field/site visits have been the prominent programmes for most of the science departments. 1. Frequent visits to the medicinal plant nurseries and interaction with the experts regarding the medicinal plants, their cultivation and uses. 2. Student's interaction with experts in poultry, hatcheries, fish culture units. 3. Panel Discussions with Industry Experts a) Central Institute of Plastics Engineering and Technology, Mysore b) Gokak Cotton Textile Ltd., Gokak. c) Renuka Sugars Ltd., Mudalagi 4. Discussion with experts like mining engineers and geologists. 5. Household survey regarding socioeconomic aspects to understand the problems faced by the people (general public). Discussion about environmental issues with industry representatives.
Soliciting more funds for research SERB DST DBT UGC VGST	* SERB has sanctioned INR 41,92,144/- to Dr. Saraswati Masti of Chemistry dept. * SERB has sanctioned INR 23,10,000/- to Dr. Manjunath S. of Geology dept. *VGST has sanctioned INR 9,00,000/- to Dr. Rajesh Kalkambkar of

	Chemistry dept. *UGC has sanctioned INR 3,35,000/- to Dr. Kariyappa Katagi of Chemistry dept.
ICT based communication system in conduct of examinations	* Semester end theory examination schedule of the university was published in the college website. It was also displayed on the college notice board. * Semester end practical examination schedule of the university was published in the college website and displayed on the college notice board. * Performance of the students in semester end practical examinations are digitally uploaded to the university website soon after the completion of examinations. * Semester end theory examination results were made available in the college website.
Detailed calendar of events for the academic year is prepared and uploaded in the college website and displayed on the college notice board	All the programmes were conducted strictly as per the calendar of events. Students are aware of the schedules of the admissions, internal theory and practical examinations, OMR submission for enrolment for university examinations, sports/extracurricular activities, celebration of national festivals and the list of holidays.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	22-Feb-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	22-Feb-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Documentation, Validation and Verification (DVV) committee has been formed. The committee gathers
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information from all departments regarding academic programmes , certificate courses, major activities which have been conducted, achievements of staff and students, extension work, research and collaborative work, as well as seminars and workshops organized for staff and students. The committee also collects information regarding the financial assistance extended to students and staff by the college or University, in order to enable them to participate in sports and extra curricular activities, seminars, workshops, science exhibitions and training activities. The head of this committee and the Chairpersons of departmental study circles submit their reports regarding the annual activities conducted in the College, along with documents, evidences and photographs. These reports are published in the college miscellany (named as VARNASAPTAKA) this magazine is released once a year, and it is distributed to all the students, teachers and other invitees who attend the miscellany release function. College Prospectus The college prospectus contains information regarding the Vision, Mission Goal and profile of the institution. In addition, the prospectus contains information about the profile of each Department teaching, nonteaching and technical staff, subject combinations, fee structure, scheme of examination, available infrastructure and facilities in the college campus and the all the amenities like hostels, gymkhana, health center, NCC and NSS. Scanned Documents are the scanned copies of the evidences Album of Photographs It contains a collection of pictures or photographs taken during departmental and college activities.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

IQAC forms a committee to prepare the semesterwise calendar of events 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

time table are displayed on the college notice board and they are 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 certificate, skill based and value added courses, emphasizing on student employability, enhancement of skill and knowledge, as well as entrepreneurship development. Before the end of the last working day for each semester, the teachers are informed about their workload and courses for next semester. This process enables the teachers to prepare a teaching plan, in advance, for the next academic assignment. IQAC provides all the teachers with a dairy, where they have to record their lecture plans and work execution details. This will be monitored and duly acknowledged by the higher authority. 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, allied projects, industrial visits, add-on practicals, assignments, videos, use of charts and graphs and case studies are used for effective implementation of the curriculum. Based on semester-wise result analysis, corrective measures are suggested by IQAC to conduct bridge courses and remedial classes to strengthen the academic standards of the students and to improve the results. Academic review and feedback from students/parents/stakeholders/employers/alumni are taken periodically on different aspects. Feedback analysis will be done by an external agency and the results will be submitted to the higher authority. Concerned authority will conduct regular meetings. The short comings in teaching and other factors which are indicated in the feedback report will be intimated to the concerned teacher and suggestions for improvisation will be provided by the higher authority to the concerned teacher.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
No	Nil	Nil	Nil	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Physics	Nil
MSc	Chemistry	Nil
MSc	Mathematics	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Physics	31
MSc	Chemistry	29
MSc	Mathematics	35
BSc	Geography	13
BSc	Computer Science	30
BCA	Computer Applications	48
BSc	Microbiology	6
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Offline feedback mechanism is structured. This mechanism is divided in to five categories Viz., students, parents, alumni, teachers and employer feedback. Student feedback is based on three criterions: curricular, infrastructure and teaching learning process. Feedback on overall functioning of the college: It is based on the learning environment of the college, canteen facility, health care center, gymkhana, functioning of anti-ragging cell, Counselling center, banking and library facility. Feedback on Teachers (Teaching and Learning Process):This feedback covers teaching learning process, punctuality, communication skills, approach towards the students, sharing of innovative ideas etc. IQAC emphasized on teachers innovativeness, use of ICT in teaching methodology, interactive teaching, and student involvement in learning. The IQAC members have collected individual teacher's feedback reports and have analyzed the same. The analyzed report is submitted to the head of the institution, for further course of action (corrective measures/ suggestions to the concerned teacher, for improvement). Parents feedback: Parents feedback is collected based on overall development of their children and about learning environment, infrastructure facilities available in the college, teacher's friendliness and imparting value based education. Alumni feedback: The alumni association of the college is a registered body. Feedback is collected from the members about the role of college in the development of students personality</p>

and employability, academic excellence and also how the institution has helped them to acquire life skills. Employer feedback: The members of IQAC have also collected feedback from potential employers on the current curriculum. This feedback includes the responses by employers and industry experts, especially their views on the academic curriculum, as per the current scenario. Placement cell takes the cognizance of this feedback while organizing training sessions.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	General	365	1500	431
BCA	Computer Applications	60	128	64
BSc	Computer Science	50	85	36
MSc	Physics	35	725	34
MSc	Chemistry	40	750	40
MSc	Mathematics	35	800	48

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	531	122	116	9	17

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
127	127	15	15	1	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

- For UG/ PG Courses in the respective department, HOD will assign to each class or division, a teacher who becomes the advisor for his/ her assigned division/class.
- HOD will assign a mentor (a teacher is assigned the role of mentor for a group of students in a division or class), in consultation with the concerned advisor . A group of 15 to 20 students are assigned to each mentor by the HOD of the respective department.
- Every practical subject has a practical in-charge, who monitors the experiments, the equipment, preparatory material (charts/ manuals) as well as difficulties faced by students during the practical session (in association with the instructors in the laboratory).
- A mentor will guide the B.C.A/B.SC (CS) students, regarding their placement.
- For first year

students, the mentor provides information regarding the facilities available in the college, various activities conducted by the college, examination pattern, health and stress management. • For the students in their second and third years in the college, the mentor provides them information about specialized subjects during their curriculum, and carrier opportunities related to those subjects. • For girl students, apart from the mentors and warden, there will be a lady staff member who will address the gender specific problems of the girl students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1655	127	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
81	41	40	84	68

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. (Smt.) Jayalakshmi K.	Assistant Professor	Award H. Homi Baba prize for Oral paper presentation in two day International Conference, at S N. Joshi College, Hadapsar- Pune.
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	B.ScSS	2018	23/11/2018	02/02/2019
BCA	B.C.A	2018	11/11/2018	02/02/2019
BSc	B.ScCS	2018	19/11/2018	02/02/2019
MSc	MSCChem	2018	30/11/2018	20/03/2019
MSc	MSCPhy	2018	30/11/2018	20/03/2019
MSc	MSCMat	2018	19/01/2019	19/03/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

a) Examination Process and Reforms: Institution has adopted Karnatak University's examination rules. Two internal theory and one practical per semester will be conducted by the concerned teacher by adopting centralized internal evaluation system (CIE) to maintain the academic standard of the

students. Evaluation report is made available to the respective students and also upload the results to Karnatak University website. Grievances are addressed. Based on the CIE report, slow learners are identified and remedial classes are conducted. Schedule for the semester end examinations is notified by the university. Principal appoints a teacher as Chief Superintendent for the smooth conduct of examinations. Orientation to the supervisors is given before the examinations. University appoints a sitting and a flying squad to look after the exam proceedings. For semester end practical examinations, university will appoint an external and an internal examiner. After the assessment, marks will be uploaded to the university examination portal. b) Evaluation Process and reforms: Bar coding: Every answer paper is given a barcode. Students register number along with a barcode is removed before the evaluation. Coded answer papers are assessed and decoded. University will notify the results after the evaluation. 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. MCQ system: For mandatory subjects like Environmental Studies, Human Rights, Indian Constitution etc. Multiple Choice Questions system is followed.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

A centralized calendar of events is prepared by a committee before the commencement of each academic year and the same is uploaded in the college website and displayed on the notice boards of all the department. It consists of important dates to guide the students and teachers for the academic and extracurricular activities to be conducted throughout the year. Based on the calendar of events, a sub-committee prepares a detailed time table for the internal theory and practical examinations and finally distributed among the teachers and students. Teachers' academic workload, lesson plan etc., are prepared based on the calendar of events. In addition to the existing academic assignments, every teacher is allotted with extracurricular activities like gymkhana, youth festival, science association, celebration of national festivals and will be conducted/celebrated as per the calendar of events. Every event is strictly monitored by a committee headed by the Principal and Vice President of gymkhana. At the end of each academic year, a committee overviews the implementation of the events mentioned in the calendar and a feedback from the students and the stack holders is obtained and analyzed. The college has a vibrant culture of instilling inquisitiveness and scientific temper among the students through a number of activities.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.kscd.ac.in>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BScSS	BSc	Twenty Seven different Combinations	345	323	94

BCA	BCA	Computer Application	50	49	98
BScCS	BSc	Computer Science	38	28	76
MScPhy	MSc	Physics	33	23	70
MScChem	MSc	Chemistry	40	39	98
MScMat	MSc	Mathematics	35	34	97
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.kscd.ac.in>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	VGST	500000	500000
Major Projects	1095	SERB, New Delhi	2310000	1370000
Major Projects	1460	SERB, New Delhi	4192144	800000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One day Workshop on "UG Chemistry Practical techniques, performance, evaluation and guidelines"	Chemistry	22/06/2018
One day workshop on "nuclear energy for empowering future" (NEEF-2018)	Chemistry	07/08/2018
Three Years UG Chemistry- How to make it attractive and useful to UG student's key note by: Prof M S Hegde, IISc Bangalore.	Chemistry	19/02/2019
Two Days Workshop on "Industry Oriented"	BCA	19/03/2019

Training"

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
10	08	29

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Botany	1
Criminology and Forensic Sciences	2
Geography	1
Geology	2
Physics	3
Zoology	1
Statistics	2

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Botany	2	0.66
International	Botany	7	2.31
National	Zoology	4	6.95
International	Chemistry	22	3.03
National	Geography	1	0
International	Geography	2	1.78
National	Geology	Nill	0
International	Geology	1	2.90
National	Physics	1	1.03
International	Physics	16	2.32
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
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Geography	1
Botany	1
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Synthesis and preliminary evaluation of benzofuran-oxadiazole conjugates as potential antitubercular agents	O Kotresh	Asian J Chem	2019	13	2	Indian Forester
Effect of Amino Anilines on the fluorescence of Coumarin Derivatives	Nirupama J M	Journal of Luminescence	2018	3	4	Elsevier International Publishing
Click Chemistry Inspired Design, Synthesis and Molecular Docking Studies of Coumarin, Quinolinone Linked 1, 2, 3-Triazoles as Promising	Rajesh Kalkhambkar	Chemistry Select	2018	16	14	European Chemical Society

Anti-Microbial Agents						
Influence of Syzygium cumini leaves extract on morphological, thermal, mechanical, and antimicrobial properties of PVA and PVA/chitosan blend films	Masti S. P.	Journal of Applied Polymer Science	2018	13	27	Wiley
Multistage thermal decomposition in films of cadmium chloride-doped PVA-PVP polymeric blend	Blaise Lobo	Journal of Thermal Analysis and Calorimetry	2018	10	11	Springer International Publishing
Photophysical and computational studies on optoelectronically active thiophene substituted 1,3,4-oxadiazole derivatives	Malimath G. H.	Journal of Photochemistry and Photobiology A: Chemistry	2018	9	8	Elsevier International Publishing
Electrochemical Behavior of an Anti-Viral Drug Valacyclovir at Carbon Paste Electrode and Its	Tuwar S. M.	Russian Journal of Electrochemistry	2018	13	4	Pleiades Publishing

Analytical Application						
Growth of the hepatitis literature over the period 1976-2015: What can the relative priority index teach us?	Patil C. G.	Scientometrics	2018	10	15	Springer International Publishing
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	5	Nil	Nil
Presented papers	1	12	Nil	Nil
Resource persons	1	Nil	Nil	Nil
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Seven days NSS annual special camp at Managundi village with the theme " Jeeva Jala Samskarane NSS Hone	In collaboration with NSS Cell-KUD and District and Taluk Panchayat, Dharwad.	1	50
ATC camp at Dharwad	1/24 Coy Battalion KAR NCC Dharwad and Goa Directorate	1	39
International Yoga Camp held at Karnatak Science College, Dharwad	/24 Coy Battalion KAR NCC Dharwad and Goa Directorate	1	160
Sena camp at Belgaum	1/24 Coy Battalion KAR NCC Dharwad and Goa Directorate	1	13

Hill Climbing Training Camp	/24 Coy Battalion KAR NCC Dharwad and Goa Directorate	1	2
Special Lecture on "Nano particles and their utilization in Modern Science" by Dr. M.N.Kalasad	Science Association, Karnatak Science College, Dharwad	1	80
One Day Workshop cum Awareness Programme on "Personnel Hygiene and Nutrition"	Science Association, Karnatak Science College, Dharwad	5	110
One Day Training Programme on "Administrative Opportunities after B.Sc. and Skill Enhancement" by Sri. Chougale and Mr. Kartik Golasangi	Department of Botany, K.Sc, College, Dharwad	10	156
Special Lecture on "Cell and Developmental Biology using Model Systems" by Dr. Chetan, Dept. of Biotechnology, KUD.	Department of Zoology, K.Sc, College, Dharwad	12	160
One Day Workshop on "Women Entrepreneurship and Legal Awareness" by Smt. Rati Srinivasan	Ladies Hostel, K.Sc, College, Dharwad	2	200
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MOU with Nichrome Testing Laboratory and Research Pvt.Ltd	02/01/2019	Promote academic interaction between basic science and life science	125
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Nill	102

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS	Nature of automation (fully	Version	Year of automation
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software	or partially)		
ELib	Fully	6.5	2021

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	182534	49933927	75	31305	182609
e-Books	39809	5000	Nil	Nil	39809	5000
Journals	28	22000	Nil	Nil	28	22000
Digital Database	6237	5900	Nil	Nil	6237	5900
CD & Video	882	900	Nil	Nil	882	900
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	148	3	11	5	0	8	38	300	0
Added	4	0	0	0	0	0	0	0	0
Total	152	3	11	5	0	8	38	300	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2227000	2805925	Nil	Nil

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

1. PHYSICAL FACILITIES- I. POLICIES FOR MAINTENANCE OF CLASSROOM- Regular cleaning and maintenance of the classrooms is outsourced to external agencies by the university, on tender bases. Corridors in the departments and its five meter surroundings 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 the university. There is an Annual Maintenance (AMC) for the maintenance of the computers in different laboratories and offices in the college this AMC arrangement is done by the university. UTILIZATION- Time table committee will be prepare the college time table in such a way that there is maximum utilization of infrastructure and classrooms. 2.ACADEMIC- I. LABORATORY- Annual maintenance of the instruments is done by the Laboratory Assistants. Stabilizers are used for instruments to regulate electricity fluctuation. Regular servicing and maintenance is carried out for the instruments. Periodical calibration of the instruments is done. Service engineers from manufacturing companies are called for the repair work, whenever required. Official procedures are maintained for the repair by calling three quotations from different firms, and based on the comparative statement, an order will be issued to the person (service enginner/ firm) who can give reasonable price and the best service. UTILIZATION- The student strength for each practical batch (for a laboratory session) is based on the subject combination, the available infrastructure in the laboratories and the university norms, with an objective to provide hands-on experience for all the students. Practicals are conducted in morning and afternoon sessions, for maximum utilization of laboratory resources, including computers. II. LIBRARY-Maintenance of the library and it resources is done by the staff. Annual maintenance of the books is done by fumigation to avoid insects and fungus. Dry environment is created near the book shelves through electric heaters during rainy season. Regular dusting and cleaning is done by using vacuum cleaners. Pest control is carried out so as to increase the life of valuable resources of the library. The furniture and fixtures are repaired and maintained regularly by the experts. UTILIZATION- Library is made fully automated. Computerized issue and return of books is done in order to save time. Books exhibitions are conducted in the library and the books suggested by the staff members are recommended for the purchase. Open Access is given to students for the reference books, so as to have effective referencing and exploring of new books related to the subjects. Special reading room facility and the computers are provided for access to e-content. Four computers with braile facility are made available to students with visible disability. Library is kept open from 8 AM to 8 PM. Ramp facility is provided to the students with physical disability. Social platform is used to notify about the current updates of the library. III. COMPUTERS- Maintenance and support are carried out by service personnel of firm engaged by AMC agreement made by the university. Regular up gradation of the software is done by the

<http://www.kscd.ac.in>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	IIA, IIB, IIIA, IIIB, and SC/ST	1224	3594242

	Scholarships		
Financial Support from Other Sources			
a) National	Local bodies and persons	13	16812
b) International	Nil	Nil	Nil
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge courses: i. Chemistry (Odd Sem)	25/06/2018	172	Dept. of Chemistry, Karnatak Science College, Dharwad
Bridge courses: ii. BCA (Odd Sem)	19/07/2018	61	Dept. of BCA, KSCD
Bridge courses: iii Physics (Odd Sem)	02/07/2018	100	Dept. of Physics, KSCD.
Bridge courses iv. Zoology (Odd Sem)	06/06/2018	141	Dept. of Zoology, KSCD.
Bridge courses: v. Mathematics (Odd Sem)	29/06/2018	108	Dept. of Mathematics, KSCD.
Remedial Classes: i. Biotechnology (Odd Sem)	08/10/2018	6	Dept. of Biotechnology (Chemistry), KSCD.
Remedial Classes: ii. Cri. For.Sci. (Odd Sem)	26/09/2018	16	Dept. of Cri. For.Sci., KSCD.
Remedial Classes: iii. Geography (Odd Sem)	18/06/2018	10	Dept. of Geography, KSCD.
Remedial Classes: iv Physics (Odd Sem)	05/06/2019	134	Dept. of Physics, KSCD.
Mentoring : i. Geography,	18/06/2018	38	Dept. of Geography, KSCD.
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed

No Data Entered/Not Applicable !!!

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received

Number of grievances redressed

Avg. number of days for grievance redressal

No Data Entered/Not Applicable !!!

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Wipro, Infosys, TCS, Cognizant, Accenture,	278	27	Nil	Nil	Nil

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	7	B. Sc.	Genetics	KUD, SDM	M. Sc.
2018	4	B.Sc.	Industrial Fishery	KUD Camp. Karwar	M. Sc.
2018	21	B. Sc.	Microbiology	KUD, MYS,	M. Sc.
2018	7	B.Sc.	Zoology	KUD	M. Sc.
2018	8	B.Sc.	Botany	KUD, MYS, SDM	M.Sc.
2018	77	B.Sc.	Geography/ Geolog, Mathematics, Physics/Chem istry/Statist ics/For.Sci Electronics	Central University of Karnataka, Mysore University, Karnatak University, Dharwad, Rani chennamma University, Belagavi	M.Sc.

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	2
SET	7
GATE	1
Any Other	2
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	7th Men women Senior South zone National Atyapatya Championsh ip	National	1	Nill	16S10027	Mr. Anil D. Lamani
2018	29th Senior National S epaktakraw Championsh ip	National	1	Nill	17S10117	Mr. Kiran G. M undinamani
2018	University Blue	National	6	Nill	18S10153, 18S10268, 18S10197, 17S10326, 18S10384	1.Miss.Krupa Kattishetti (Basket Ball) 2. Miss.Krupa Kattishetti (Gymnastic) 3.Miss. Radhika Bhajantri 4.Miss.Megha Chavan 5.Miss.Sushma Ballari 6. Miss. Suvarna Banne

2018	Karnatak University Inter Collegiate First Zone Cricket Tournament	National	1	Nil	16S10333	Mr. Suresh H. Tariwal
2018	Karnatak University , Inter-Collegiate Youth Festival	National	Nil	5	17S10013, 16S10018, 16S10253, 17S10161, 16S10113	1.Akshay Handi 2.Akshata Kurabagond s 3.Sakalesh Kadlur 4.Meghana Padagodi 5.Koushik Pandit
2018	Inter University Youth Festival, Held at New Delhi	National	Nil	1	17S10286	1.Shraddha Murshilli
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Gymkhana - College has a gymkhana to promote the sports activities. It consists of 9 departments (excluding miscellany and reading room. Based on merit, roster and expertise in specific sports, students secretaries are selected for each department. Secretaries will assist the Physical Instructor for selection of the team for sports/cultural events at the national/international/university level. Ant ragging cell -College has an active anti ragging cell which consists of student representatives. Senior students will coordinate with the teaching members 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 two student's representatives, and they help the committee, whenever required.

Miscellany and Study Circles -There is a separate student representative in both the college magazine committee and for each of the departmental study circles. They help in collecting the articles (manuscripts) from the students and assist the chairman in the selection of articles, for publication. Study circle secretaries coordinate the events in the department. Clean and Green campus - Small students groups are created and assigned projects which will lead in to the creation of clean and green environment in the campus and to make the campus plastic free.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has a registered alumni association, namely, Karnatak Science College 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 up gradation of the college infrastructure, industry oriented syllabus, student friendly environment and campus beautification. These suggestions are followed up by the college and University authorities, for implementation of the same after necessary discussion, wherever possible.

5.4.2 – No. of enrolled Alumni:

228

5.4.3 – Alumni contribution during the year (in Rupees) :

54407

5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Administrative Functioning (Participative Management): Since our college is a constituent college of Karnatak University, Dharwad, which is governed by the Hon'ble Governor, the Vice-Chancellor Registrar, Registrar Evaluation, Finance Officer, Syndicate Members, Principal and IQAC coordinator are jointly responsible for the academic and administrative leadership of the college. The apex decision making body at the college level is the Governing Body, under organizational structure of Constituent College. Periodical meetings are conducted twice a year, under the chairmanship of the Vice Chancellor. The Principal meets at least twice in a month, with Heads of different departments in the college, in order to discuss important academic and administrative issues. The IQAC meets periodically to discuss points related to the quality policy and plans. Various committees such as, Internal Quality Assurance Cell, Admission Committee, Anti Ragging Cell, Committee for Prevention of Sexual Harassment, Grievance Committee, Gymkhana Managing Committee, Student Counselling Cell Prospectus Committee and Time Table Committee have been formed in the college, to help in monitoring and facilitating administrative functions, and thus make the administration open and transparent. **Academic Functioning (Culture of collective Responsibility):** Each and every teaching staff members of the college holds an academic responsibility. The Principal empowers all the head of departments (HODs), by delegating to them the leadership to monitor academic responsibility of faculty members in the concerned department, a concrete step towards a decentralized governing system. In turn, the HODs assigns all the staff members the responsibility of conducting the Internal examinations (both Theory and Practicals), in addition to the in charge-ship of different laboratories in the department. Each department is given the freedom to prepare its academic plan and schedule of activities at a micro-level. Time table preparation, designing and assigning of projects, conduct of workshops, planning and execution (including organization) of training programmes, special lectures, study circle activities, conduct of internal examination and evaluation. The staff is entrusted the responsibility for different tasks such as preparation of prospectus, admissions (both for college and Hostel), student's uniform, examinations, document verification form collection for scholarships, Rail/bus concessions as well as handling the university/government correspondence. The IQAC includes faculty members along with members from the society for the policy / plan formulation and its implementation. Faculty members from IQAC play an active role in the management of academic activities of the college. Students actively participate in various

curricular, co-curricular and extracurricular activities.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>Strategy: Implementation of learning outcome based curriculum frame work of Undergraduate and Post graduate courses run by the college follows the regulations and syllabus/ scheme of examinations as directed by the Board of Studies (BOS) at the Karnatak University, Dharwad. The teachers of the college are involved in the eExisting curriculum development through workshops for ensuring continuous evaluation of syllabi and making it industry oriented. The college follows credit system for PG courses, wherein there is a flexibility to design various academic activities and choice based extra credit, skill-based courses.</p>
Teaching and Learning	<p>Strategy: The college management ensures a proper teaching learning environment by way of deputing the staff members for Faculty Development Programmes (FDP) to different universities and research institutions, in order to give an opportunity for the teachers to enhance their knowledge as well as update their skills. Provision for ICT teaching is done in many class rooms and laboratories. Regular feedback on the teaching - learning process is obtained from the students. An external agency is employed to analyse the feedback obtained from the students and other stake-holders. The analyzed reports are shared with the teaching staff of the college from time to time, which helps in monitoring the teaching learning process and also helps in understanding the learner's needs and attitude/ perception.</p>
Examination and Evaluation	<p>Strategy: Theory and practical internal examinations are conducted as per the calendar of events of the college In order to maintain transparency, the marks obtained by students are displayed on the notice board of the concerned department. Students are allowed to see their</p>

answer papers, and in case of any discrepancy rectification of the same will be done. Before conducting the semester-end examinations, a meeting of all the staff members will be convened by the Principal/ Senior Superintendent (internal) of the examination, to discuss about the smooth conduct of the examination. Question papers sent by the university are received and seating arrangement is provided in the college. Soon after the evaluation, the university will declare the results online for quicker and faster methods of accessibility and support.

Research and Development

Strategy: In the college, there is a research committee which monitors the routine affairs of research by the faculty members, including research funding (proposals). Research proposals submitted by the staff members are scrutinized by the research committee and then, after necessary modifications as per suggestions of the members of the committee, they are forwarded to the College Development Council of the University. Financial provision has been made by the University for the staff members to participate and present their research findings in National and International conferences and workshops.

Library, ICT and Physical Infrastructure / Instrumentation

Library is a growing organism. Consistent improvement in the facilities of College library as well as the department libraries has taken place. A separate budget is provided to upgrade the library, in order to meet the growing and changing requirements of students and faculty members. In order to enhance the teaching learning process, ICT facility has been extended to each department. Laboratory instruments are regularly serviced and calibrated to standards. New instruments have been added to cater to the revised syllabus. College also provides facilities and space to conduct competitive exams and National level/ State Level screening examinations like NET, SLET and JRF examinations.

Human Resource Management

To upgrade and enhance the standard of academic environment, permanent teaching faculties are deputed with duty leave to participate in orientation/refresher courses and short

	<p>term training programmes. Research scholars and teachers are also deputed to take part in international /national conferences/seminars/workshops.</p> <p>Rotation of laboratory assistants between the departments (internal transfer) takes place routinely, in order to enable them to improve their skills, and develop new abilities so that they become more useful to the Institution in the long run.</p>
Industry Interaction / Collaboration	<p>The college arranges interaction of students with industry experts, so that they gain industry knowledge. The institution organizes hands-on training sessions for students, for specific skill sets. The college has organized placement drives. Besides that, workshops / interactions are planned and organized with students and teachers to enhance their employability skills, especially among students.</p> <p>Alumni who are well placed in the society provide free guidance to the students, in order to help them develop industry oriented skills.</p>
Admission of Students	<p>College has admission committees for different classes. The committee will prepare the calendar of events for admission, which is publicized online and in local newspapers. Admission process is done under one roof. Applications from the candidates are invited online they are carefully scrutinized by admission committee members, and the eligible candidates are selected on merit cum roster basis.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	The development of physical infrastructure in the college is done through e-tendering by the university, following established regulations in this regard. Submission of projects under various schemes is also done online.
Administration	The college makes continuous efforts to go paperless in all its administrative and official works.
Finance and Accounts	Well-equipped computerized method is followed in order to keep track and record of all the finances of the college. Advanced software is used to scan documents.

Student Admission and Support	The institution provides a constant support and assistance to the student community, wherein online tools are used to keep the officers and faculty in touch with the students, in order to inform them about the various events/ circulars/ notices, from time to time. Teaching faculty members have created Google/WhatsApp groups (of students) to post updates and to provide new links and resources related to academic growth as well as necessary and/ urgent official documents/ notices.
Examination	The college conducts internal and Semester end examinations smoothly. Notices related to the examinations are posted and updated on priority bases. Thus the Chief Examination Officer and the committee in college ensures transparency and quicker method of conducting exams. Besides that marks of the internal exams and semester end exams are also sent to the University online.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. (Smt.) Jayalakshi. .K	Conference of magnetic Resonance in Medical and 25th National magnetic Resonance Society Meet	Academy, New Delhi	14400
2018	Dr. G.H.Malimath	National Symposium on Radiation and Photochemistry February 7-9, 2019 held at Shantiniketan, West Bengal	BARC, Mumbai	11000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	organised for teaching staff	organised for non-teaching staff				
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
UGC Sponsor Short Term Course in Research Methodology	1	22/10/2018	28/10/2018	07
Grade Certificate-Teacher Training Programme	1	22/11/2018	12/12/2018	21
National workshop on computer Interfaced Science Experiments	1	06/05/2019	10/05/2019	05
Refresher course in Zoology at Goa University, Goa	1	28/09/2018	18/10/2018	21
Material Preparation and Measurement of properties (Refresher Course)	1	05/03/2019	20/03/2019	16
Science , Society and Indigenous Research (Refresher Course)	1	11/03/2019	31/03/2019	21

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
41	86	14	39

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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Karnatak University Employees Credit Cooperative Society, KUD	Karnatak University Employees Credit Cooperative Society, KUD	1. Scholarships by Government and Alumni 2. Scholarship by teachers personally
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6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

College maintains the finance and account systematically and regularly. Since the college is a constituent college of the University, 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 visit 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.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Karnatak University, Dharwad	1628000	Maintenance of all the departments, purchase of equipments/chemicals/cons umables/teaching aids. Maintenance of departmental gardens and museums.
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	Null	Null
Administrative	No	Null	Null	Null

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

No Data Entered/Not Applicable !!!

6.5.3 – Development programmes for support staff (at least three)

No Data Entered/Not Applicable !!!

6.5.4 – Post Accreditation initiative(s) (mention at least three)

No Data Entered/Not Applicable !!!

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
No Data Entered/Not Applicable !!!				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
College has 26 number of solar power generation units in the campus, at different locations - (Basavavana - 06, BCA department - 04, Library - 08, Physics department - 04 and college main gate - 04).

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	No	Nil
Ramp/Rails	Yes	5
Braille Software/facilities	Yes	2
Rest Rooms	Yes	8
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Nil	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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	ntages	local community					
2019	1	1	19/03/2019	1	Jeeva Jala Samrakshane NSS Hone	Role of Individual in conserving water	50
2019	1	1	06/03/2019	1	Plantation Drive	Importance of plantation	50
2019	1	1	08/03/2019	1	Swatch Bharat Abhiyan	Role of plantation in reducing carbon footprints	50
2019	1	1	02/01/2019	1	MoU	Capacity building	250
2018	1	1	05/06/2018	1	Academic Engagement	Nano particles and their utilization in Modern Science"	50
2018	1	1	04/03/2018	1	Road safety awareness programme	Awareness on Road Accident	40
2018	1	1	10/10/2018	1	Programme on Judiciary	Role of Judiciary in Criminal Justice System	38
2018	1	1	03/08/2018	1	Workshop on Legal Awareness	Women Entrepreneurship and Legal Awareness	200
2018	1	1	15/07/2018	3	Field project for UG/PG students	Skill Development	96
2019	1	1	03/03/2019	1	Jeeva Jala Samrakshane NSS Hone	Importance of water and Rain water harvesting methods	50

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Teachers Dairy/Prospectus	12/06/2018	The main motto of the institution is to develop modern youth as responsible citizens by including human values along with scientific insight, for which various efforts have been made. The institution follows the code of conduct of Karnatak University, Dharwad. Rules for code of conduct for both teachers and students are mentioned in the teachers dairy as well as in the prospectus. Teacher's dairies are maintained by the individual teachers and are duly signed by HOD and Principal at the end of each semester. The code of conduct for the students is printed in the college prospectus and made available to the students at the time of admission.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
College Founder's day	09/08/2018	09/08/2018	150
Sir. Siddappa Kambli birth Anniversary	11/09/2018	11/09/2018	120
Mahatma Gandhi Jayanti	02/10/2018	02/10/2018	200
Kanaka Jayanti	21/11/2018	21/11/2018	110
College centenary celebration	25/11/2018	25/11/2018	500
Swami Vivekananda Jayanti	12/01/2019	12/01/2019	130
Dr. B. R. Ambedkar Jayanti	14/04/2019	14/04/2019	180
Maharishi Valmiki Jayanti	24/10/2018	24/10/2018	130
Basava Jayanthi	14/05/2018	14/05/2018	150
Gurunanak	19/11/2018	19/11/2018	90

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Harnessed solar energy: To meet out the electrical power requirement of the college campus 26 number of solar lamps have been installed in the common usage areas, especially near the Library, Health center, Play grounds and on the sides of the roads within the campus. Plantation Drive: The college campus has rich greenery, with many important and rare plants The campus vegetation is maintained by the gardeners (workers) who are appointed the university as well as the students. To enrich the garden, a regular special drive for plantation of samplings is organized. Every year, students are encouraged to plant saplings and they take up the responsibility of maintain these plants till they complete their graduation. The department of Botany is maintaining a separate Botanical Garden, which consists of a good number of rare plants. Maintenance of Medicinal plant plot: The college maintains a medicinal plant garden in the department of Botany. It consists of good number of medicinal plants, which can cure a variety of human diseases. All the plants have been named and their medicinal properties have been mentioned. The medicinal garden is open to the public, and visitors from the nearby schools and college students frequently visit the garden. Conservation of Rain Water: Rain water harvesting facility is made in all the departments and the harvested water is made to sink in the tanks built for the same purpose. Generation of organic manure: Organic composting is practiced in the campus. Students are advised to put all biological waste and the remains of the food in the pits made for organic manuring. Food waste from the canteen is also dumped in these pits, and students are trained to prepare the organic compost. Prepared compost is used in the Botanical garden. Principles of 3 Rs - Reduce, Reuse and Recycle: One time usable plastic is banned in the campus. Mineral water bottles are discouraged and the reusable plastic or metallic water bottles are encouraged. The College practices the minimum use of papers, reuse of papers and recycling of papers. E-Waste: As per the directions of the Karnatak University, Dharwad, E-waste is collected from both teachers and students with prior notification and is deposited at a particular place later, the university assigns a person to collect this e-waste, which is sent for recycling. Plastic free campus: Students are strictly discouraged from using plastic bags and bottles in the campus. However, dustbins are installed at various corners of the campus and students are advised to dump the plastic waste only in the dustbins.

7.2 – Best Practices**7.2.1 – Describe at least two institutional best practices**

Title of the Practice: Involving students in social well-fare activities. • **Goal :** Best out of waste - 1) Distribution of notebooks to the poor and underprivileged students in Govt. Schools located in slum areas of Dharwad city. Unused pages from the internal test and home assignments booklets were collected by the students and notebooks are prepared by the students using the locally available resources. Such prepared notebooks were distributed to the poor and underprivileged students of Govt. schools in slum areas of Dharwad. About 1000 such notebooks are distributed during 2018-19. **Evidence of Success:** This practice encouraged other students to involve in such social activities. The beneficiary students were very happy with the same. 2) Preparation of quilt from unused cloth: Students were encouraged to bring the unused/used clothes from their residence. They were cut in to different shapes and sizes, and sieved into quilts by the students. In fact, 50 quilts were prepared by the students and distributed to the Sneha Orphan Centre, Hubli. in the presence of the Principal. This charitable act by the students of the college has been appreciated by the general public. • **Social Responsibility-** College teachers,

particularly from Geology department, have been invited by the farmers of nearby villages to identify the water resource points in their fields. Teachers of Geology department discharge such social responsibilities free of cost, using the resources available in the college.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.kscd.ac.in>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Vision of the Institution: Just, Equitable, Tranquil, Harmonious Social Order with Scientific Temperament. Mission: • 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 oneself, 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 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 and leaders in the professions of their choice. • To install scientific temperament in the younger generation. This educational institution is one of the premier and pioneer institutions in the North Karnataka region, providing education and other services at very low cost (fees) to students from diverse backgrounds, with different orientation and capability. We have a demographic diversity as majority of the students are hailing from different rural and socio-economic backgrounds, in particular, from villages and towns in the entire North Karnataka region and neighboring states in general. Karnatak Science college has 'state of the art' instrumentation facilities in the laboratories, which are accessible to all students. With this 'uniqueness', we are inculcating the value of 'togetherness' among all the members of the institution by giving space to each and every stakeholder to participate, explore, enhance and attain their full potential, thus ultimately making society a more equitable space. To achieve the vision of the institution, every member is actively participating to the best of their individual ability in different student friendly activities. • Counselling cell of the institution is active. • Mentoring system is practicing for all the diverse student groups. • Convenient and friendly cultural platform is provided for celebrating cultural uniqueness. • Gymkhana with facilities for indoor games and gymnasium is provided to all the student groups fulfilling their sport's needs. • Student centric teaching is done by making the class rooms more vibrant and student friendly. This is done by promoting and encouraging dialogue and participation among the students. • Special support for the differently abled students exist. • Off line and online feedback system allows the students to give their individual opinion freely about syllabus, teaching techniques and class room environment, in order to improve the teaching/learning experiences. • Inclusive Classroom (Group activities, small projects, Group Discussion and exploring new media for classroom teaching). • Remedial classes. • Advance learner classes • Bridge course • Value added education through National Yoga Day, Human Right Day, Awareness Campaigns and Community engagements. • Skill Development Programme for the students. • Strong Parent and Alumni Association.

Provide the weblink of the institution

<http://www.kscd.ac.in>

8.Future Plans of Actions for Next Academic Year

• Induction programme for the first year students and Parents meeting of the first year students. • Identification of Advance/slow learners in different classes and conducting remedial/bridge classes for such students. • Developing a mechanism of efficient and computerized Office and administrative processes. • Establishment of MOU in all the departments with different professional/local bodies, NGO's and Govt. Organizations. • Implementation of CBCS (Choice Based Credit System). • Conducting placement campaigns for job seekers/skill oriented students after graduation. • Developing soft skill development programmes in association with industries, in order to meet their requirements • Publication of research work in SCOPUS listed journals remain as a gray area. To promote research, all such essential efforts will be undertaken.