

Karnatak University's

Karnatak Science College, Dharwad

Karnataka - 580 001.



Annual Quality Assurance Report (AQAR)

2016-17

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC 2016-17

Part – A

I. Details of the Institution

1.1 Name of the Institution

KARNATAK SCIENCE COLLEGE

1.2 Address Line 1

Address Line 2

City/Town

DHARWAD

State

KARNATAKA

Pin Code

580 001

Institution e-mail address

principal.kscd@gmail.com

Contact Nos.

0836-2215400 / 09845252705

Name of the Head of the Institution:

Dr. C. F. Mulimani

Tel. No. with STD Code:

0836-2215410

Mobile:

09845252705

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID:

1.4 Website address:

Web-link of the AQAR:

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	3 Stars	-	2004	5 Years
2	2 nd Cycle	A	3.26	2009	5 Years
3	3 rd Cycle				
4	4 th Cycle				

1.6 Date of Establishment of IQAC: DD/MM/YYYY

1.7 AQAR for the year (for example 2010-11)

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- AQAR 2009-10 submitted to NAAC on 24-09-2010
- AQAR 2010-11 submitted to NAAC on 15-09-2011
- AQAR 2011-12 submitted to NAAC on 18-02-2013
- AQAR 2012-13 submitted to NAAC on 07-02-2014
- AQAR 2013-14 submitted to NAAC on 31-10-2014
- AQAR 2014-15 submitted to NAAC on 31-08-2015
- AQAR 2015- 16 submitted to NAAC on 17-07-2018
- AQAR 2016- 17 submitted to NAAC on 18-07-2018

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UG C 2(f) C 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phy Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

-

1.11 Name of the Affiliating University (*for the Colleges*)

KARNATAK UNIVERSITY,
DHARWAD

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University -

University with Potential for Excellence -

UGC-CPE- -

DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="10"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>
2.3 No. of students	<input type="text" value="02"/>
2.4 No. of Management representatives	<input type="text" value="02"/>
2.5 No. of Alumni	<input type="text" value="01"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="21"/>
2.10 No. of IQAC meetings held	<input type="text" value="03"/>

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="03"/>	Faculty	<input checked="" type="checkbox"/>
	Non-Teaching Staff	<input type="text"/>	Students	<input checked="" type="checkbox"/>
		Alumni	<input checked="" type="checkbox"/>	Others
			<input type="text"/>	
2.12 Has IQAC received any funding from UGC during the year?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

-

2.14 Significant Activities and contributions made by IQAC

IQAC has actively involved in maintaining the quality with in this esteemed institute.

- Concentrating on good teaching in terms of completing the portions making the students understand and over all expertise, knowledge and skills.
- Encourages teachers to orient towards research by way of MRPs, Ph. D students, attending various conferences and workshops.
- Students are guided by all teaching staff in adjusting to the present academic scenario by means of Bridge course for a week is conducted to orient the students for the new semester in both theory and practical.
- Encourages students to participate in community service, research activities and sensitizing them towards environmental issues.
- Next academic year being the Centenary year of the College many activities are being planned and initiated such as a web with the association of University authorities.
- Maintaining clean and healthy environment on the campus by the students.
- Funds obtained from UGC for the Infrastructure development of the IQAC office has been utilized and office furnishing completed.
- Monitoring and evaluating the performance of the teaching learning activities. Encourages teachers to orient towards research by way of MRPs, Ph.D students, attending various conferences and workshops.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the programs planned in the minutes of the meeting have been achieved by the end of the year *

Plan of Action	Achievements
Annexure II (A & B)	

**Attach the Academic Calendar of the year as Annexure.*

2.16 Whether the AQAR was placed in statutory body

Yes No

Management Syndicate Any other body

Provide the details of the action taken

All the Plan of Actions placed before the internal body comprising of the Principal and various Heads of Departments have been approved and implementations are progressively done. The AQAR is highlighted in the College common room meetings.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph. D	01 (7-subjects)	00	00	00
PG	01 (3-subjects)	00	01 (3-subjects)	00
UG	01 (14-subjects)	00	00	00
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-
Total	03 (24-subjects)	00	01 (3-subjects)	00

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options-



(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	Odd & Even semesters in a year for all UG and PG Programmes.
Trimester	-
Annual	-

1.3 Feedback from stakeholders Alumni



Parents



Employers



Students



(On all aspects)

Mode of feedback : Online



Manual



Co-operating schools (for PEI)



Annexure III enclosed.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

All courses are waiting for the implementation of the CBCS syllabus implementation by the University till then no further revisions of the syllabi.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	44	19	25	-	01

2.2 No. of permanent faculty with Ph.D. 29

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	-	-	-	01	-	-	-	-	-	01

2.4 No. of Guest and Visiting faculty and Temporary faculty 20 - 38

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	05	02	01
Presented papers	05	02	00
Resource Persons	00	06	00

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Department of Geology has taken initiative to detect water point resources.
- Department of Botany helped teachers and students from other institutions in providing certain plant samples present in the syllabus and is helping all consultants in placing plants in their systematic position when they approach.
- Slow learners are identified by staff and supported by them then and there.
All practical specimens and plant materials are maintained in the department for ample learning facilities and opportunities not only in practical hours.
- Lecture series by renowned scientists and also special talks in department study circles.
- Wi-Fi for most departments
Use of ICT in teaching and learning, teacher's study materials (soft copy, PPTs, PDF presentations) are shared with the students.
- Most teachers have taken one MRP (Minor or Major) and from there project utilize their Laptops and computers to support ICT.
- Advance learners and applied subjects (Biotechnology, Microbiology) elected students are encouraged to take part in Research and present in conferences.
- Industrial / Institutional visits as part of their curriculum in order to acquire better know how.

2.7 Total No. of actual teaching days during this academic year 189

2.8 Examination/ Evaluation Reforms initiated by The Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, On line Multiple Choice Questions)

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> • Bar Coding • Revaluation • Photocopy on request • MCQ for IC&HR | } | All are conducted by Karnatak University, Dharwad |
|--|---|---|

2.9 No. of faculty members involved in curriculum/ restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop Chem-03, Crim-01, Bot-01,(in Genetics, Microbiology) Geol-04 (03 members of BOE of RCU, KUD, Mysore, B'lore & Kuvempu Uni) Zoo-03 (for Zoo in P.C. Jabin - Hubli) BCA-02, Geography-01 15

2.10 Average percentage of attendance of students 90

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Sc	Annexure IV					
B. Sc (CS)						
BCA						

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Feedback from students obtained annually.
- Seminars and conferences are attended by the faculty to boost their quality of teaching.
- The standard of academics and infrastructure available are analysed through students' feedback and stock verification.
- Apart from the conventional methods, optimum use of ICT enabling teaching – learning environment in the class rooms.
- Slow learners are identified and mentored individually to promote better learning habits. Advance learners are further encouraged.
- Conservative activities are carried out in the campus.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	04
UGC – Faculty Improvement Programme	00
HRD programmes	-
Orientation programmes	00
Faculty exchange programme	-
Staff training conducted by the university/institution	-
Staff training conducted by other institutions	00
Summer / Winter schools, Workshops, etc.	06 national 1 state level
Others	01

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	33 (01 artist in C. F.Sc*)	-	-	60
	Vacancies are filled by Karnatak University authorities			
Technical Staff	No specific appointments			

* Department of Criminology and Forensic Sciences.

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Encouraging the teachers to apply for major and minor research projects.
- To conduct National and International conferences and present their research papers.
- Sensitize the students into research.
- The study-circles invite resource persons to deliver special lectures on topics of contemporary interest. This helps in developing zeal to undertake research among the students.
- The institute accepts manuscripts to be published in its annual magazine 'Varna-Sapthaka'. Students are the major contributors.
- Under graduate students are encouraged to attend summer training courses, workshops and scientific sessions conducted by various research institutions. Some of them have attended conferences and seminars to present their research.

3.2 Details regarding Major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	2	-	-
Outlay in Rs. Lakhs	10,00,000	65,22,144/-	-	-

3.3 Details regarding Minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	03	-	-	-
Outlay in Rs. Lakhs	10,90,000	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	13	30	00
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	00	00	00

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations.

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-			
Industry sponsored	-			
Projects sponsored by the University/ College	-			
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-			
Total	-	-	-	-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books
 ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST DPE DBT Scheme/funds

3.9 For colleges: Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring agencies		UGC	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialized	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
01	-	01	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NCC events:

University level State level National level International level

3.22 No. of students participated in NSS events:

University level State level National level International level

3.23 No. of Awards won in NCC:

University level State level National level International level

3.24 No. of Awards won in NSS:

University level State level National level International level

3.25 No. of Extension activities organized

University forum College forum NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional

Social Responsibility:

Annexure V

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	55 acre	Nil	Nil	55 acre
Class rooms	23	-	-	23
Laboratories	24	-	-	24
Seminar Halls	01	-	-	01
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	About 50	-	PDF & Budget Heads of Department	00
Value of the equipment purchased during the year (Rs. in Lakhs)		-	PDF & Budget Heads of Department	1,29,577/-
Others	-	-	-	-

4.2 Computerization of administration and library

- Marks list of Internal Assessment.
- Admission of students.
- Attendance of students.
- Scholarships to the students.
- Time Table.
- Bio-data of Teachers.
- Details of college on college website.
- Internal Marks -1st and 2nd Tests, Theory and Practical.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books & Reference Books	1,78,358	5,11,46,835/-	963	585941/-	1,79,321	5,17,32,776/-
Subscribers through N-List E-Books	93809	5,000/-	Nil	Nil	93809	5,000/-
Journals & News papers	28	22000/-	Nil	Nil	28	22000/-
Subscribers through N-List e-Journals	4137	5000/-	Nil	Nil	4137	5000/-
Digital Database	Mathsci Net	Subscribes through N-List	Nil	Nil	Mathsci Net	Subscribes through N-List
CD & Video	850	Free with Books	32	Free with Books	882	Free with Books
Others (specify)	Nil	Nil	Nil	Nil	Nil	Nil

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	121	PHY-30 BCA-45	At 11 departments Wi-Fi and BSNL broad band	05	-	10	32	04
Added	01	-	-	-	-	01 (IQAC)	-	-
Total	122	75	11	05	-	11	32	04

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up-gradation (Networking, e-Governance etc.)

Internet access available to staff and students at library and some departments.

4.6 Amount spent on maintenance in lakhs:

i) ICT	59,000/-
ii) Campus Infrastructure and facilities	-
iii) Equipments	7,63,919/-
iv) Others	-
Total :	8,22,919/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Through letter correspondence
- Through circulars
- Information written or attached on Notice Boards

5.2 Efforts made by the institution for tracking the progression

- Scrutiny of their performance
- and counselling of the students to perform better
- provide notes and books and guidance
- Discuss the important topics and old question papers

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1350	183	49	Nil

(b) No. of students outside the state

05

(c) No. of International students

-

Course	This Year						Last Year					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
UG	353	178	76	742	1	1350	422	180	71	391	01	1065
PG	79	18	6	78	2	183	81	21	7	88	-	197
Ph. D	10	15	2	23	-	49	10	13	1	18	-	42

Men		Women	
No	%	No	%
713	45	869	54.9

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Nil

No. of students beneficiaries

-

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="-"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

5.6 Details of student counseling and career guidance

Sl. No	Name of the Student	Course	Date
1	Miss. Vaishnavi Kulkarni	B. Sc III Semester	7-9-2016
2	Miss. Prajnaya Tiwari	B. Sc IV semester	14-2-2017
3	Mr. Vinayak A. G	B. Sc IV Semester	24-4-2017

5.7 Details of campus placement

Off Campus			On campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
04	36	09	-
Annexure VI			

5.8 Details of Gender Sensitization Programmes:

Annexure VII

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State level	<input type="text" value="-"/>	University level	<input type="text" value="14"/>
National level	<input type="text" value="01"/>	International level	<input type="text" value="-"/>

No. of students participated in cultural events

State level	<input type="text" value="01"/>	University level	<input type="text" value="09"/>
National level	<input type="text" value="06"/>	International level	<input type="text" value="-"/>

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State level University level
National level International level
Cultural: State Level University level
National level International level

5.10 Scholarships and Financial Support..... (Annexure VIII)

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	553	12,50,390/-
Financial support from other sources	-	-
Number of students who received International / National recognitions	-	-

5.11 Student organized / initiatives:

Fairs : State/ University level National level International level
Exhibition: State level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Annexure IX

6.2 Does the Institution has a Management Information System

Annexure X

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development.

Annexure XI

6.3.2 Teaching and Learning

- In addition to attending and presenting in International & National conferences the teachers are encouraged to attend Workshops – 07 (Nat-06, State-01)

6.3.3 Examination and Evaluation

- ✓ Examination and evaluation is done at the Karnatak University, Dharwad.
- ✓ Internal and Home Assessment tests both theory and practical's are conducted and evaluated and sent to the University.

6.3.4 Research and Development

- Ph. D students are admitted to the college through an entrance exam conducted by the University and Ph. D course work in the respective department.
- Final examination for Ph. D candidates is conducted at the university.
- Other conditions are revised as per the University regulations.
- New projects are implemented :
Major - 02
Minor – Nil.
- Students are encouraged to take research projects and present the papers.
- Papers Published by Teachers Total No: 29 (Nat - 14; Int- 15).

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Computers.
- Equipments to the laboratories.
- Wi-Fi technology enhanced.
- CCTV cameras are also available on the premises
Details of Instrumentation..... **Annexure XII**

6.3.6 Human Resource Management

All management activities are directed by the Karnatak University and approved by them.

6.3.7 Faculty and Staff recruitment

- Recruitment of staff and faculty are done by Karnatak University, Dharwad as per UGC norms.

6.3.8 **Industry Interaction / Collaboration**

- Students are taken to the Industries and Research Laboratories to enhance their skills- CFTRI, KIDNAR, CCMB and Universities. These industry integrated programmes will help bridge the gap.

6.3.9

- Merit cum Roster system as per Karnataka Govt. Rules.

6.4 Welfare schemes for

Teaching staff	LTC, HTC, EL, Loans from Employers Association, PPF, Maternity and Paternity leave, Medical advance facilities, Quarter's facility is available on the college and the university campus, Apart from this, employees are sanctioned interest free festival advance, Reservation for Hyderabad Karnataka Quota.
Non teaching staff	LTC, HTC, EL, Commuted leave, Loans from Employers Association, Quarter's facility is available on the college and the university campus. Apart from this, employees are sanctioned interest free festival advance.
Students	Scholarships, Cash prizes, counseling, Remedial classes.

6.5 Total Corpus Fund generated

University Corpus Fund as we are constituent college.

6.6 Whether annual financial audit has been done: Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KU, Dharwad	-	-
Administrative	Yes	KU, Dharwad	-	-

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

* As ours is a Constituent college, Karnatak University, Dharwad declares the result.

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Karnatak University, Dharwad takes appropriate steps.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

- On 18-10-2016, Shri Vijaykumar Dambal, Additional Suptd. Of Police, Bellary and alumni of the institution addressed our students on facing competitive examinations.

6.12 Activities and support from the Parent – Teacher Association

Nil

6.13 Development programmes for support staff

- Every department provides training to the lab assistants before the commencement of the practicals.
- The field workers are provided with adequate information regarding the collection of specimens for the practicals.
- For setting up of practical experiments the lab assistants are trained by the teachers.

6.14 Initiatives taken by the institution to make the campus eco-friendly.

- It is a continuous endeavour in the campus to enhance greenery.
- Installation of solar lamps.
- Organic manure preparation.
- Departmental gardens are maintained.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Annexure XIII

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year

Annexure XIV

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- ❖ Beginning the college activities each day by singing the NATIONAL ANTHEM helps not only to enhance discipline but also to increase the national integration.
- ❖ To enhance the interest of students in basic science subjects and also to develop participative attitude and organization skills, there is an academic body established called the “SCIENCE ASSOCIATION”, led by a chairperson and comprising of Study Circles in 8 departments.

Academic toppers are nominated as student representatives. Through this association students are exposed to the recent trends and developments in science and technology.

7.4 Contribution to environmental awareness / protection

- College adopts energy conservation strategies by use of solar panels in the campus.
- Rain water harvesting, construction of trenches for recharging the ground water level are practiced.
- Science Association has organised lectures on World Forest Day and activity on World Environment Day.
- All staff including Principal and students participates in half a day **Sharama Dhaama**.
- Dustbins to avoid littering and activities of the NSS to keep campus clean.
- On 21st March, 2017 was celebrated in association with Forest Dept. Dharwad Circle, Govt. of Karnataka, Bangalore and Hubli-Dharwad: Shri Udupudi K.D IFS, Chief Conservator of Forest gave a talk on Conservation of Forest the wealth of the Nation.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

Annexure XV

Plans of institution for next year

- ❖ To strengthen the co-curricular and extra-curricular activities of students.
- ❖ To attend conferences and communicate research papers.
- ❖ To strengthen and maintain research activities of teachers.
- ❖ Celebration of silver jubilee of Crimnology
- ❖ Planning of Centenary year

Devi. M. Singh
IQAC Co-ordinator
Karnatak Science College
Dharwad

IQAC Co-ordinator

[Signature]
Principal

Please Turn Over

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
SWO	-	Student Welfare Officer.

Annexure II (A)

The IQAC convened the meeting of the Heads of the Department, Chairpersons of Gymkhana, Hostel Wardens, Students Welfare Officers, Placement Officer, NCC Officer, NSS Program Officer and Chairperson of Women's Association to discuss and evaluate the targets and achievements for quality sustenance and enhancement for the year 2016-17. Evaluating the program of the previous year 2015-16, the IQAC identified the priority areas and prepared the plan of action to be adopted for the year 2016-17.

- Till the regular activities of the college to be conducted as per the calendar of events to maintain quality of the institute.
- Teacher's involvement in conferences, seminars, workshops and also in conducting them.
- Main focus is to be given to the centenary celebration as discussions are being initiated with our university authorities.
- Further activities are to be conducted throughout the year by conducting conferences, workshops, seminars, extension programs by various departments.
- A good management function to mark the centenary celebration to be fixed during October/November 2017.
- To strengthen all the co-curricular and extracurricular activities.
- To administer feedback and evaluation for better functioning of the institution.
- Continuation of Innovations and Best Practices under IQAC.

Annexure II (B)

KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

CALENDAR OF EVENTS FOR B.Sc. SEM – I, III & V: 2016-17

Week No.	Month	Week days							Work days	Academic Events/ Co-Curricular Activities
		Mon	Tue	Wed	Thu	Fri	Sat	Sun		
1	Jul					1	2	3	02	<ul style="list-style-type: none"> 1-5 - Bridge Course for Sem I,III, V Students
2	Jul	4	5	6	7	8	9	10	05	<ul style="list-style-type: none"> 6- Ramzan
3	Jul	11	12	13	14	15	16	17	06	<ul style="list-style-type: none"> .
4	Jul	18	19	20	21	22	23	24	06	<ul style="list-style-type: none"> 22- Selection of Students Association for Gymkhana
5	Jul	25	26	27	28	29	30	31	06	<ul style="list-style-type: none"> .
6	Aug	1	2	3	4	5	6	7	06	<ul style="list-style-type: none"> 2- Monthly Attendance Report 3- Selection of Team Members for various sports
7	Aug	8	9	10	11	12	13	14	06	<ul style="list-style-type: none"> 9 - Founders Day, 13- Selection of Science Association & Study Circle Secretaries
8	Aug	15	16	17	18	19	20	21	05	<ul style="list-style-type: none"> 15 - Celebration of Independence day
9	Aug	22	23	24	25	26	27	28	06	<ul style="list-style-type: none"> 23 - Welcome to Fresher & Inugn. of Gymk. & Cult. Activity 26 - Inaug. of Sci. Association
10	Aug/Sep	29	30	31	1	2	3	4	05	<ul style="list-style-type: none"> 29- Local Holiday (Last Shravana), 30-2 First Internal Assgn Test 3- Formative Feed back from Students
11	Sep	5	6	7	8	9	10	11	05	<ul style="list-style-type: none"> 5 - Ganesh Chaturthi /Teachers Day 6 - Monthly Attendance Report 11- Alumni Association meet
12	Sep	12	13	14	15	16	17	18	05	<ul style="list-style-type: none"> 12- Bakrid 13- Display of First IA Result
13	Sep	19	20	21	22	23	24	25	06	<ul style="list-style-type: none"> 21 - Science Association Function-I, .
14	Sep/Oct	26	27	28	29	30	1	2	05	<ul style="list-style-type: none"> 30 - Mahalaya Amavasi 2 - Gandhi Jayanthi,
15	Oct	3	4	5	6	7	8	9	06	<ul style="list-style-type: none"> 3- Monthly Attendance Report 4-7 - Second Internal Assgn Test
16	Oct	10	11	12	13	14	15	16	02	<ul style="list-style-type: none"> 10- Mahanavami 11-Vijaydashmi 12- Moharam 13-22- Internal Practical Test 15- Walmikhi Jayanti, 16 - Parents Meet
17	Oct	17	18	19	20	21	22	23	06	<ul style="list-style-type: none"> 20- Display of Second IA Theory Result .
18	Oct	24	25	26	27	28			05	<ul style="list-style-type: none"> 25 - Display of IP Test Result, 26- Summative Feed back from students 28- Summative Attendance Report of the First Term and the last working day.
TOTAL WORKING DAYS - 93										
COLLEGE REOPENS FOR II/IV / VI SEMESTER ON: 21-12-2016										
HOLIDAYS				COCURRICULAR ACTIVITIES				INT. THEORY & PRACT. EXAMS		
MONTHLY ATTENDANCE REPORT				FEED BACK REPORT				DISPLAY OF IA RESULTS		
BRIDGE COURSE								ALUMNI ASSOCIATION & PARENTS MEET		

**Sd/-
Principal**

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

CALENDAR OF EVENTS FOR B.Sc./BCA/B.Sc.(CS) SEM – II, IV & VI: 2016-17

Week No.	Month	Week days							Work days	Academic Events/ Co-Curricular Activities
		Mon	Tue	Wed	Thu	Fri	Sat	Sun		
1	Jan	2	3	4	5	6	7	8	06	2-7-Bridge course
2	Jan	9	10	11	12	13	14	15	05	12- Co-curricular Activities- Vivekananda Jayanti 14- Makara Sankranti
3	Jan	16	17	18	19	20	21	22	06	18-Science Association / Study Circle Programmes
4	Jan	23	24	25	26	27	28	29	05	26- Republic Day & Co-curricular Activities
5	Jan /Feb	30	31	1	2	3	4	5	06	1 - Monthly Attendance Report
6	Feb	6	7	8	9	10	11	12	06	12- Parents Meet
7	Feb	13	14	15	16	17	18	19	06	13- Science Association / Study Circle Programmes 18- Formative Feed back from Students
8	Feb	20	21	22	23	24	25	26	05	24- Mahashivaratri
9	Feb/ Mar	27	28	1	2	3	4	5	06	27-04 – First Internal Theory Exams / 28-4- Practical 1 st IA Exam(BCA & B.Sc. (CS) only) 3- Monthly Attendance Report
10	Mar	6	7	8	9	10	11	12	06	11-Display of IA result
11	Mar	13	14	15	16	17	18	19	06	19-Alumni Association meet
12	Mar	20	21	22	23	24	25	26	06	21- Science Association / Study Circle Programmes
13	Mar/ Apr	27	28	29	30	31	1	2	05	29-Ugadi 1- Monthly attendance report
14	Apr	3	4	5	6	7	8	9	06	4-7 –Second Internal Theory Exams 9- Mahaveer Jayanti
15	Apr	10	11	12	13	14	15	16	05	11-Cocurricular activity-Rank Holder's felicitation 12- Display of IA result 14- Ambedkar Jayanti & Co curricular activity , Good Friday
16	Apr	17	18	19	20	21	22	23	06	13-22- Practical IA Exam (B.Sc.) & Practical 2 nd IA Exam(BCA & B.Sc. (CS))
17	Apr	24	25	26	27	28	29	30	05	24- Display of IP Result & Co curricular activity 25- Summative Feed back from students 28 – Total Attendance Report & last working day 29- Basava Jayanti
TOTAL WORKING DAYS - 96										
COLLEGE REOPENS FOR I/III / V SEMESTERS ON: 15-06-2017										
HOLIDAYS				COCURRICULAR ACTIVITIES				INT. THEORY & PRACT. EXAMS		
MONTHLY ATTENDANCE REPORT				FEED BACK REPORT				DISPLAY OF IA RESULTS		
BRIDGE COURSE								ALUMNI ASSOCIATION & PARENTS MEET		

**Sd/-
Principal**

Annexure III

Feedback Analysis of Teachers:

Total No. of Teachers	Very good	Good	Satisfactory
43	25	05	13

Note: Total No. of sections in the feedback =10

Grading

1. Sections 1 & 2 absent in the analysis, it is accepted. Very Good = 04
2. Any less than 6 or more than 3 Sections present but other than 1 & 2. Good=03
3. Sections 1 & 2 present in the analysis. Satisfactory =02

Annexure IV

Course / Programme Wise Distribution of Pass Percentage **RESULT ANALYSIS OF B.SC. COURSES**

B.Sc. I Semester Nov./Dec. 2016-17

Sl. No	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	168	218	386
2	Distinction	46	96	142
3	No. of Students First Class	50	72	122
4	No. of Students Second Class	15	08	23
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	57	42	99

B.Sc. II Semester May/June, 2016-17

Sl. No	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	143	212	355
2	Distinction	47	143	190
3	No. of Students First Class	38	41	79
4	No. of Students Second Class	09	03	12
5	No. of Students Pass Class	01	00	01
6	No. of Students Failed	48	25	73

B.Sc. III Semester Nov. /Dec. 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	141	168	309
2	Distinction	59	102	161
3	No. of Students First Class	50	45	95
4	No. of Students Second Class	03	01	04
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	29	20	49

B.Sc. IV Semester May / June, 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	134	171	305
2	Distinction	55	102	157
3	No. of Students First Class	51	47	98
4	No. of Students Second Class	08	06	14
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	20	16	36

B.Sc. V Semester Nov./Dec. 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	122	180	302
2	Distinction	52	104	156
3	No. of Students First Class	26	43	69
4	No. of Students Second Class	11	13	24
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	33	20	53

B.Sc. VI Semester May / June, 2016-17

Sl. No	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	117	181	298
2	Distinction	53	106	159
3	No. of Students First Class	24	46	70
4	No. of Students Second Class	05	08	13
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	35	21	56

RESULTS ANALYSIS OF B.C.A COURSES**B.C.A I SEMESTER NOV / DEC – 2016-17**

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	26	30	56
2	Distinction	09	15	24
3	No. of Students First Class	04	07	11
4	No. of Students Second Class	04	04	08
5	No. of Students Pass Class	-	01	01
6	No. of Students Failed	09	03	12

B.C.A II SEMESTER APRIL / MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	26	30	56
2	Distinction	11	22	33
3	No. of Students First Class	03	04	07
4	No. of Students Second Class	03	01	04
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	09	03	12

B.C.A III SEMESTER NOV / DEC – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	26	20	46
2	Distinction	05	19	24
3	No. of Students First Class	07	-	07
4	No. of Students Second Class	03	-	03
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	11	01	12

B.C.A IV SEMESTER APRIL / MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	24	22	46
2	Distinction	03	18	21
3	No. of Students First Class	08	02	10
4	No. of Students Second Class	07	-	07
5	No. of Students Pass Class	01	-	01
6	No. of Students Failed	05	02	07

B.C.A V SEMESTER NOV / DEC – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	18	27	45
2	Distinction	05	21	26
3	No. of Students First Class	02	02	04
4	No. of Students Second Class	-	02	02
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	11	02	13

B.C.A VI SEMESTER APRIL / MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	19	27	46
2	Distinction	05	19	24
3	No. of Students First Class	04	05	09
4	No. of Students Second Class	03	02	05
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	07	01	08

RESULTS ANALYSIS OF B. Sc (CS) COURSES**B. Sc (CS) I SEMESTER NOV / DEC – 2016-17**

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	21	26	47
2	Distinction	02	07	09
3	No. of Students First Class	05	07	12
4	No. of Students Second Class	03	02	05
5	No. of Students Pass Class	01	-	01
6	No. of Students Failed	10	10	20

B. Sc (CS) II SEMESTER APRIL /MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	18	25	47
2	Distinction	06	11	17
3	No. of Students First Class	01	07	08
4	No. of Students Second Class	05	02	07
5	No. of Students Pass Class	01	01	02
6	No. of Students Failed	05	04	09

B. Sc (CS) III SEMESTER NOV / DEC – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	15	12	27
2	Distinction	09	08	17
3	No. of Students First Class	01	01	02
4	No. of Students Second Class	-	01	01
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	05	02	07

B. Sc (CS) IV SEMESTER APRIL / MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	15	12	27
2	Distinction	04	08	12
3	No. of Students First Class	03	01	04
4	No. of Students Second Class	01	01	02
5	No. of Students Pass Class	01	-	01
6	No. of Students Failed	06	02	08

B. Sc (CS) V SEMESTER NOV / DEC – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	06	15	21
2	Distinction	-	10	10
3	No. of Students First Class	01	01	02
4	No. of Students Second Class	-	01	01
5	No. of Students Pass Class	-	01	01
6	No. of Students Failed	05	02	07

B. Sc (CS) VI SEMESTER APRIL / MAY – 2016-17

Sl. No.	Description of Result	Male	Female	Total
1	Total No. of Students Appeared	06	17	23
2	Distinction	-	12	12
3	No. of Students First Class	03	05	08
4	No. of Students Second Class	-	-	-
5	No. of Students Pass Class	-	-	-
6	No. of Students Failed	03	-	03

Annexure V

Major Activities during the year in the sphere of extension activities and Institutional social Responsibility:

- A Special lecture was organized on **23rd July, 2016**. Dr. Chandrashekar G. Unakal, Assistant Professor, University of West Indies, Trinidad and Tobago was the Chief Guest and delivered a lecture on ‘Strange World of Microbes’.
- A Special talk on ‘Cancer: Etiologic agents & its Managements’ by Dr. Umesh R. Hallikeri, MD, Pathology & Blood Bank Officer, Karnataka Institute of Cancer Therapy, Navanagar, Hubli on **3rd October, 2016** during Inaugural Function of Zoology Study Circle.
- The NSS has conducted an extension program at Karnatak University, Dharwad district on **25th – 31st January, 2017**.
- Students of B.Sc II Semester (CBZ) combination with the guidance of Zoology Department, One Day ‘Awareness Programme on Health & Hygiene’ at Managundi Village, Dharwad on **15th February, 2017** at Mansoor village.
- The NSS has conducted National Integration Camp at Rani Chennamma University, Belagavi on **19th – 25th February, 2017**.
- Two Day Workshop on ‘Analytical Techniques In Recombinant DNA Technology’ was organized & participated by Microbiology Section, Department of Zoology, Karnatak Science College, Dharwad on **12th & 13th April, 2017** in association with Central Dogma Pvt., Ltd., Pune. Dr. Anjali Apte-Deshpande, Director-Founder, Central Dogma Pvt., Ltd., Pune was the resource person.
- A Special talk on ‘Campus to Company’ by Dr. Anjali Apte-Deshpande, Central Dogma Pvt., Ltd., Pune on **13th April, 2017** during Valedictory Function of Zoology Study Circle.
- In service training for the school teachers.
- Sharing our resources to other colleges by way of study material and plant specimens - Kittel College Dharwad, JSS College Dharwad, Womens University-Bijapur, Baiga College Kumta.

Annexure VI

- **Placement Services Provided to Students (Off Campus):**

The college has organized Pool Campus Recruitment drive for B. Sc/ BCA/B. Sc (CS) students. The following table highlights, students selected for placements.

Sl. no.	Company Visited	Job	Salary package offered	Eligibility	Appeared			Selected		
					M	F	T	M	F	T
1	INFOSYS	Tr. Engg	2.25 pa	60% & Above Throughout	04	06	10	01	02	03
2	TCS	IT IS	1.75 pa	55% & Above Throughout	08	06	14	01	03	04
3	CAPGEMINI	Associates	2.10 pa	55% & Above Throughout	04	08	12	0	01	01
4	WIPRO Technologies	WIMS	13500/pm	60% & Above Throughout	OFF CAMPUS			01	01	02
Total					16	20	36	02	07	09

Annexure VII

Gender Sensitization Programmes:

Various Activities were held under AKKA Ladies Association.

1. **Inauguration function** on 14-09-2016 conducted at BCA auditorium. Chief Guest: Smt. Prafulla Nayak Advocate and Mediator of High Court Dharwad delivered a talk on 'Women And Rights'.
First Session: Dr. Uma Sultanpuri, Gynaecologist and Consultant in OBG, Dharwad talked on 'Common Endocrinal Problems in Adolescents and Young Ones'.
Second Session: Dr. Shobha Nagnur, Prof and HOD of Extension and Communication and Management, University of Agricultural Sciences, Dharwad delivered a talk on 'Effective Communication Skills and How to write Resume' under the Chairmanship of Dr. V.A. Aminbhavi in presence of Dr. B.S. Giriappanavar, Special Invitee. Dr. C. F. Mulimani President, Presided over the function.
2. Various activities like Best out of Waste, Hair Style, Rangoli and Mehendi Competition were held.
3. Under the AKKA Ladies Association, eight girl students have attended a **Certificate Course** on Bakery Training at University of Agricultural Sciences, Dharwad.
4. **Valedictory Function** was held on 6-03-2017. Chief Guest: Dr. (Smt). Rajeshwari Maheshwariah, Vice-Principal, KAC, Dharwad delivered a talk on 'Development of Women from Ancient Period to Modern Period'. Dr. C. F. Mulimani President, Presided over the function.

Annexure VIII

Scholarships and Financial Support:

Financial Support from Government:

Course	Candidates	Amount
B. Sc 1	162	3,45,660/-
B. Sc 2	128	2,57,456/-
B. Sc 3	122	2,49,794/-
B. Sc (CS) 1	20	40,248/-
B. Sc (CS) 2	18	36,236/-
B. Sc (CS) 3	5	10,510/-
B.C.A 1	32	66,016/-
B.C.A 2	25	52,334/-
B.C.A 3	15	32,946/-
M. Sc (Chemistry)	23	1,37,863/-
M. Sc (Physics)	02	13,252/-
M. Sc (Maths)	01	8,075/-
Total	553	12,50,390/-

Scholarships and Cash Awards:

- Category-I, IIA, IIB, IIIA, IIIB Scholarship; SC/ST Scholarship; Rural Scholarship, Scholarship for Physically Handicapped; National Merit Scholarship, Sanskrit Scholarship, Urdu Scholarship, Scholarship for Ex-servicemen, Goud Sarswat Brahmin Scholarship, Lingayat students scholarship, Nijalingappa Nidhi scholarship.
- College Open Merit scholarship (10 scholarships for each class); Fellowships, Karnatak College Golden Jubilee Prize; Sir Siddppa Kambli Prize; Karnatak College Platinum Jubilee Cash Prize; Dr.G.V.Joshi Cash Prize; Dr.M.M.Joshi Cash Prize; Smt.Sherffia Begum Cash Prize; Smt.Gangutai Halsikar Cash Prize; Dr.B.L.Patil Cash Prize; Dr.V.G.Kasturi Cash Prize, Smt.Kamala Balekundri Cash Prize; Prof. (Smt) Vidya Sapre Choudhari Cash Prize; Lt.Col.R.S.Desai Cash Prize; Smt.Gangubhai Desai Cash Prize and Botany Teachers Cash Prize. The details of these scholarships, application forms and information will be available in the College Office.

Annexure IX

VISION

Just, Equitable, Tranquil, Harmonious, Social Order, With Scientific Temperment.

MISSION

- To enhance student's ability to make them special and thereby creating experiences so surprisingly positive and memorable.
- Providing variety of options for delivering dazzling science education to our students.
- To offer invigorating experiences in a way that build confidence and creates sustainable positive defining moments.
- To inspire students to do what they say they will.
- To help students to network with people who have common needs and interests to do something little extra.
- Providing necessary infrastructure to generate talented human resource pool, which will be useful to our society at large.
- To transform students into sharp thinkers, writers, speakers and leaders in the professions of their choice.
- To instill scientific temperament in younger generation.

GOALS

- Imparting total quality education of pure Sciences.
- Providing the curriculum relevant to societal needs.
- Create awareness about development in Science and Technology.
- Sensitizing the global competencies among youth.
- Inculcating sense of National character contribution to National integration and development.
- Creating pleasant environment to achieve excellence in curricular, co-curricular and extra – curricular activities.
- Establish Memorandum of Understanding (MOU) with neighboring industries.
- Empowering students to take up challenging career opportunities.
- Designing action plan for helping physically challenged persons, slow learners and students from rural background.
- Encouraging girl students to face life challenges independently.

Annexure X

Management Information System (MIS)

- Administrative procedures including finance are regularly notified by means of News papers & and website.
- Student admission through Roster & Merit system.
- Student records are well maintained in respective departments and in college.
- Evaluation and examination procedures are notified at college display boards and website.
- Research administration is managed through regular notifications and circulars to external universities, colleges, website and leading scientific journals.
- Research student's attendance and course work are maintained in the individual departments.
- Administrative letters are forwarded through Principal, CDC, Registrar and Vice-Chancellor.
- Procurements are made by obtaining quotations and through purchase committee.

Annexure XI

Innovations in curricular design and transaction:

- Teacher forums and associations in various subjects meet and discuss these changes and put forward in the BOS and ensure changes whenever the need arises.
- New CBCS syllabus has to be introduced.
- The previously revised syllabus was in 2013-14 is being transacted.
- Award of scholarships/ fellowships to meritorious students and research students..
- The syllabus designed has come into effect last year; transaction of the new syllabus is going on in Biotechnology subject.
- Conduct of conference and Awareness programmes.

**Annexure XII
INFRASTRUCTURE**

Sl. No	Particulars	No. of Items	Price in Rs. (Inclusive of Tax)
A.	PDA (Principal Development Account)		
1	Magnus Microscope	09	96,919/-
2	Electrophoresis Kit	01	42,537/-
3	Borosil Water Distillation Plant	01	44,083/-
4	Generator Battery	01	10,477/-
5	DELL Laptop	01	40,000/-
6	Ceramic Steel Scratch Resistant Board	02	31,716/- + 7,000/-
7	Aqua Guard Magna	01	15,490/-
8	Vacuum Cleaner	01	3,000/-
9	Water Filter & Tap Repair	-	2,000/-
10	Garden Development		2,000/-
	Total (A)		2,95,222/-
B.	UNIVERSITY BUDGET HEAD		
1.	Physiological Apparatus	30	20,000/-
2.	Optical Fiber Kit	-	24,955/-
3.	Digital Multimeter	-	11,000/-
4.	Regulator Power supply	-	12,710/-
5.	Rheostat	-	5,692/-
6	Decade Conductance Box		7,550/-
7	Decade Induction Box	5 Dial	11,195/-
8	Decade Induction Box	1 Dial	1,132/-
9	Function Generator	-	8,229/-
10	Desktop	01	31,700/-
11	Blender Jar	01	4,050/-
12	Electric Hot Plate	01	5,500/-
13	Petri plate Container	01	2,500/-
14	Pipette Container	01	950/-
15	Dissection Microscope	10	19,923/-
16	Electronic Digital balance	01	6,389/-
	Total		4,68,697/-
	Grand Total (A+B)		7,63,919/-

Annexure XIII

Innovations and Best Practices:

Conservation of Biodiversity of College Campus: 2016-17

(...Activities in continuation of 2015-16)

Our campus is spread over 55 acres and holds an array of flora and fauna. It consists of some rare trees and animals. There was a need of preparation of a record of the biodiversity of the campus. IQAC of our college took an initiative towards the conservation of diversity and preparation of a checklist. In order to bring this program into regular practice, every year (from 2015) in the month of August, newly admitted students were gathered and addressed regarding the importance of diversity of the campus. Under this program, the students were given awareness about the commonly found flora and fauna of the campus by the staff. The details of some events related to this program are as follows;

1. Rescue and Protection of Local Wildlife of the campus.

The students rescued and released a juvenile Asian Palm Civet within its home range which had accidentally entered zoological museum. Karthik Kenganavar of B. Sc III semester (C.Z.IF) volunteered and rescued it. The students were brought awareness regarding the importance of the animal, its behaviour, its distribution and its IUCN status.

2. Checklist of Flora of the College Campus:

Under the 'Conservation of Biodiversity of College Campus Program: IQAC along with the support of Department of Botany decided to involve students in preparation of Checklist of Flora of the College Campus. The students of B. Sc 1st & 3rd Semester (Zoology) were allotted to work under this program. In the month of August, student groups consisting of 5-6 members were asked to select the group of their interest and task was allotted. Their progress in this regard was closely monitored by the staff. Students with Botany combination were involved and actively participated in compilation of the report.

3. Cataloguing and Maintenance of Specimens of Botany and Zoology Museum along with collaboration of Department of Botany and Zoology.

Annexure XIV

Activities Reflecting Goals & Objectives:

The various departments conducted lectures by inviting eminent scientists to enhance the student scientist interaction.

- On 27-2-2016 Department of Botany conducted a special lecture on 'Recent Advances in Plant Tissue Cultures' by Dr. Niranjan Murthy, Chairman, PG Department of Studies in Botany, KU, Dharwad.
- Dr. H. Nagraj, Professor, PG Department of Studies in Geography, University of Mysuru invited as Resource Person to talk on 'Pressure and Wind Systems' on 16-3-2016.
- On 22-3-2016 Dr. H. C. Laxman, Professor, PG Department of Studies in Botany, KU, Dharwad delivered a talk on 'Microbes and their benefits'.
- A special lecture on 17-9-2016 was arranged by Department of Chemistry. Dr. J. Manjanna, National and International Level Speaker delivered a talk on 'Nano-materials on Energy Devices, Environmental and Biomedical Applications'.
- On 3-10-2016 a special lecture by Dr. Umesh R. Hallikeri, Consultant Pathologist, and Blood Bank Officer, R.B. Patil, Hospital, Navanagar, Hubli delivered a talk entitled 'Cancer: An Etiologic agents and general Mechanisms' at Department of Zoology.
- Dr. Devaraju K. S., special invitee to Department of Chemistry on 11-1-2017 spoke on 'A story of Drug Discovery'.
- On 20th February 2017 Prof C.D. Patil, Retd. Prof of Botany, LVD College, Raichur spoke on Food Adulteration Detections. Mr. Hardeep Singh and Mr. Veerendra D. Danannavar Scientists from KAIGA spoke on Nuclear Energy and Radiation Aspects.
- On 28th February 2017 Dr. J.R. Tonnanavar, Professor and Chairman P.G. Dept. of Physics gave a lecture on Values of Science in view of Science and Technology for Specially Abled Persons.
- On 3rd March, 2017, Mr. Puttaraj K. Scientific Officer – 'D' Nuclear training Centre, KAIGA Atomic Station spoke on his 15 years of experience over Flora and Fauna surrounding KAIGA power station. He gave a talk on the Biodiversity of KAIGA Forest along with excellent photographs and video clips.
- A Special village camp was conducted from 8-3-2017 to 14-3 -2017 at Nigadi village, Dharwad with the support of NSS Officer and NSS volunteers. During the campaign, awareness and welfare programmes, invited talks on rural education, proper use of rules and regulations for welfare of women and children were arranged.
- On 24 & 25th March, 2017 Dr. B. C. Mogali, Retd. Professor, Department of Criminology and Forensic Science gave a talk on 'Role of Forensic Science in Criminal Investigations'.

- On 31-3-2017, Shri Bhimappa M. G., Teaching Staff of Unique Dream Team (IAS & KAS) Study Circle, delivered a talk on 'Guidance for IAS / KAS Exam Preparation'.
- On 4-4-2017 a talk entitled 'Campus to Company' was delivered by Dr. Anjali-Apte Deshpande, Director & Founder, Central Dogma Pvt. Ltd, Pune at Department of Zoology.
- On 8-4-2017, a lecture was delivered by Dr. Ananda Kulkarni on 'Safety measures on Chemical Laboratories' in Department of Chemistry.
- ❖ **Two Day Workshop** on 'Analytical Techniques in Recombinant DNA Technology' conducted by Microbiology Section, Department of Zoology in association with Central Dogma Pvt. Ltd., Pune on **12 &13 April, 2017**. Resource Person: Dr. Anjali Apte-Deshpande.
- ❖ **Extension Programme on Public Health Awareness:** 'Education for Good Health and Better Environment' conducted by Microbiology Section and Department of Zoology, Karnatak Science College, Dharwad held at Government High School, Managundi, Dharwad on 15-02-2017.
- ❖ "AKKA" Ladies Association under the guidance of Dr. (Smt). V. Aminbhavi has conducted ;
- ✓ One Day Workshop on 'Law, Health and Communications skills' on 14-9-2016.
- ✓ Chief Guest Prafulla Nayak, Advocate and Mediator of High Court Dharwad, Delivered a talk on 'Women and Rights'.
- ✓ On 6-3-2017, Chief Guest Dr. (Smt). Rajeshwari Maheshwaraiah, Vice-Principal, Karnatak Arts College, Dharwad gave a talk on 'Development of Women from a ancient period to modern period'. Dr. C.F. Mulimani, Principal, Karnatak Science College, Dharwad presided over the function.
- ✓ Certificate Course on 'Bakery Training' in University of Agricultural Sciences, Dharwad was conducted. Eight girl students of our college attended the training.

NCC Activities:

- All NCC cadets attended International yoga Day Camp on 21-6-2016 at Karnatak College ground.
- Sixty four Cadets attended ATC camp at KU, Dharwad in July, 2016.
- Cadet Shivaraj Mane, attended Inter group Competition at TIC, Belagavi in August, 2016.

- Cadet SUO. Sushanth, Cadet Priyadarshini JUO attended ATC camp held at Assam in December, 2016. Also he has attended Basic Leadership Camp held at Mysuru.
- Cadet SUO. Akshata Miskin attended NIC at Bapatla, Andrapradesh on January, 2017. Also she has attended Republic Day Parade as Parade Commander held at RN Shetty ground 26-1-2017

Annexure XV

SWOT Analysis

<ul style="list-style-type: none"> • Strengths 	<ul style="list-style-type: none"> • High quality of teaching at the graduation and post graduation. • Equity is given to the students belonging to all sections of society as per Govt. Policies. • Students are encouraged for the studies by providing them various scholarships and cash prizes. • Placement opportunities are provided by arranging campus interviews by different companies. • Central Library with more than a lakh books, Journals and e-Journals. Separate departmental Libraries with good collection of books and Journals. • A separate Health Centre for the college campus with qualified doctors and nurses. • Good governance with immediate attention to the problems of the students. • Separate ladies Association entitled as ‘Sneha’ and ‘AKKA’ to share the problems of girl students. And counselling cell for girls has been opened. • Organization of community based programmes at different villages. To encourage the students to take part in the extracurricular activities. NCC and NSS wing are functioning to encourage the students to take part in these activities. • Students Welfare Officer is working to attend to the problems of the students. • Students are given opportunity to learn foreign languages and to take up small research projects with financial assistance by funding agencies.
<ul style="list-style-type: none"> • Weaknesses 	<ul style="list-style-type: none"> • Inadequacy of faculty recruitment • Limited availability of funds to plan for the new courses and though Research ability of teachers present, space for bench work wanting. • Student’s participation in sports activities is limited due to semester system wherein the Science courses include practical (12-24 hrs / week).
<ul style="list-style-type: none"> • Opportunities 	<ul style="list-style-type: none"> • Expansion of UG and PG applied courses to cater to the needs of society and industry. • Internet facilities to all departments to increase proficiency. Competing with the other post Graduate degree colleges in improvement of quality in governance and academic credibility. • To get the grants from other funding agencies for research projects. Organizing community based extension programs to financially backward groups so that at least basic health requirements could be addressed.

	<ul style="list-style-type: none">• Campus Recruitments for the Post Graduate students and B. Sc students.• Training Teachers to counsel their wards.
<ul style="list-style-type: none">• Threats	<ul style="list-style-type: none">• External threats changing priorities and limited funding can potentially create internal tension over limited resources.• Avenues/openings are limited, limited MOUs with the industries. High enrolment.• Emerging foreign, private and deemed universities with which we have to compete.