



**UNIVERSITY COLLEGE OF SCIENCE, TUMKUR**

**THE ANNUAL QUALITY ASSURANCE REPORT  
(AQAR) OF THE IQAC FOR THE YEAR 2016-17**

**SUBMITTED TO**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*(An autonomous institution of UGC)*

**P. O. Box No. 1075, Opposite NLSUI, Nagarabhavi, Bangalore – 560 072, Karnataka**

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

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

### Part – A

**AQAR for the year**

2016-17

#### 1. Details of the Institution

1.1 Name of the Institution

University College of Science

1.2 Address Line 1

Tumkur University Campus

Address Line 2

BH Road

City/Town

Tumakuru

State

Karnataka

Pin Code

572 103

Institution e-mail address

principalucst@gmail.com

Contact Nos.

0816 - 2260220

Name of the Head of the Institution:

Dr. Eswara H. Y.

Tel. No. with STD Code:

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+91 9611268238, +91 8453389818

Name of the IQAC Co-ordinator:

Prof. B. L. Mukundappa

Mobile:

+91 9844321868

IQAC e-mail address:

iqacucst@gmail.com

1.3 NAAC Track ID (For ex. MHC0GN 18879)

15520

**OR**

1.4 NAAC Executive Committee No. & Date:

EC/61/RAR/52 dated 15/09/2012

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

www.ucst.ac.in

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	-	2003	5 years
2	2 <sup>nd</sup> Cycle	A	3.14	2012	5 years
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

07/06/2004

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2012-13 submitted to NAAC on 11-07-2013
- ii. AQAR 2013-14 submitted to NAAC on 12-07-2014
- iii. AQAR 2014-15 submitted to NAAC on 12-12-2016
- iv. AQAR 2015-16 submitted to NAAC on 18-08-2017

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  UGC 2(f)  UGC 12B

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

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

B. Voc.

1.11 Name of the Affiliating University (for the Colleges)

Tumkur University

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

Autonomy by State/Central Govt. / University	<input type="text"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text" value="√"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

**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"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text"/>
2.7 No. of Employers/ Industrialists	<input type="text"/>
2.8 No. of other External Experts	<input type="text"/>
2.9 Total No. of members	<input type="text" value="15"/>
2.10 No. of IQAC meetings held	

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="6"/>	Faculty	<input type="text" value="3"/>
	Non-Teaching Staff	<input type="text" value="1"/>	Students	
	Alumni	<input type="text" value="2"/>	Others	<input type="text"/>

2.12 Has IQAC received any funding from UGC during the year? Yes No

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

Preparation of Plan of Action for 2016-17  
Effective implementation of ICT based teaching learning activities

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 outcome achieved by the end of the year \*

Plan of Action	Achievements
<ul style="list-style-type: none"> <li>Conducting the Bridge Course for the fresher's</li> <li>Enhancing the research activity through undertaking projects funded by various funding agencies</li> <li>Enhancing ICT based teaching facility</li> </ul>	<ul style="list-style-type: none"> <li>Conducted the Bridge Course for the freshers</li> <li>Several major and minor research projects are in progress.</li> <li>The ICT facilities were created and being utilized effectively</li> <li>Total papers published by the faculty in peer reviewed national and international journals: 56 11 research papers published in conference proceedings</li> <li>SAKALA has been implemented in the Institution to provide guarantee of services within the stipulated time limit</li> </ul>

<ul style="list-style-type: none"> <li>• Encouraging the faculty to publish research papers</li> <li>• Implementation of SAKALA in the Institution (To provide guarantee of services within the stipulated time limit)</li> <li>• To enhance overall quality of teaching, research and outreach.</li> </ul>	<ul style="list-style-type: none"> <li>• Awarded with CPE from UGC</li> </ul>
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\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

AQAR was placed before IQAC and approved



## Part – B

### Criterion – I

#### 1. 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
PhD	02	02		
PG	03	03		
UG	01			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others – B. Voc	01	01		01
<b>Total</b>	07			
Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes: CBCS program is introduced for 1<sup>st</sup> year B. Sc.

Pattern	Number of programmes
Semester	01
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

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

Yes, CBCS Syllabus was introduced for II B. Sc.

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
53	47	06	00	00

2.2 No. of permanent faculty with Ph.D.

27
----

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
0	0	0	0	0	0	0	0	0	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

79	00	00
----	----	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	00	10	00
Presented papers	21	44	16
Resource Persons	00	00	01

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

- Bridge Course has been conducted for students getting admitted to first year B. Sc.
- Students are motivated to participate in classroom seminars.
- Remedial classes are being conducted for the students who are found to be weak in the subjects.
- Assignments are given and evaluated regularly.
- The classroom teaching has been enriched by the usage of LCD projectors
- The students are encouraged to undertake small projects

2.7 Total No. of actual teaching days

during this academic year

180
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2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Students are given the provision of applying for Examinations through online system.
- Continuous valuation of students during the semester is done by conducting internal tests and by giving assignments.
- Internal assessment marks are entered online through the University website.
- Photocopy of the answer scripts are provided to the students

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 11

2.10 Average percentage of attendance of students 80

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>I B. Sc. (I-Sem)</b>	403	46.15	31.01	8.43	8.68	94.29
<b>I B. Sc. (II-Sem)</b>	391	45.01	30.43	11.25	5.88	92.58
<b>II B. Sc. (III-Sem)</b>	378	29.10	37.57	12.70	10.32	89.68
<b>II B. Sc. (IV-Sem)</b>	374	31.28	36.63	11.76	9.89	89.57
<b>III B. Sc. (V-Sem)</b>	305	36.39	33.11	8.85	8.20	86.56
<b>III B. Sc. (VI-Sem)</b>	299	57.35	20.07	6.35	6.02	89.97

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

- Holding discussion with the teachers
- Taking feedback about the teachers and curriculum from the students
- Evaluation of feedbacks and suggesting the teachers for their improvement

- Monitoring regular conduction of class tests and remedial classes
- Providing healthy learning experience to the students through the usage of teaching aids, smart boards and LCD projectors

#### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	09
UGC – Faculty Improvement Programme	01
HRD programmes	00
Orientation programmes	02
Faculty exchange programme	00
Staff training conducted by the university	00
Staff training conducted by other institutions	00
Summer / Winter schools, Workshops, etc.	00
Others	00

#### 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	02	33	00	14
Technical Staff	01	03	00	00

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Motivate faculty members to write and submit minor and major research proposals
- To initiate the teachers to organize the conferences/seminars/workshops
- To suggest the teachers to motivate the students to undertake small research projects under their guidance competition

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	4	-	-
Outlay in Rs. Lakhs	18.73	142.98	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	07	-	-
Outlay in Rs. Lakhs	12.75	9.69	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	38	-	-
Non-Peer Review Journals	18	-	-
e-Journals	-	-	-
Conference proceedings	-	11	-

#### 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 (Lakhs)	Received (Lakhs)
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 : NIL

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	-	-	-	4	-
Sponsoring agencies	-	-	-	KSTA/ University	-

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	-
Commercialised	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
4	-	2	1	-	1	-

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 NSS events:

University level  State level   
National level  International level

3.22 No. of students participated in NCC events:

University level  State level   
National level  International level

3.23 No. of Awards won in NSS:

University level  State level   
National level  International level

3.24 No. of Awards won in NCC:

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

- Faculty members, NCC, NSS and college students participated in Swachh Bharath Abhiyaan initiated at our campus on the vocation of Gandhi Jayanthi on October 2<sup>nd</sup> 2016.
- Faculty members, NCC Cadets, NSS and college students participated in the international Yoga day on 21st June 2016 at Tumkur University
- NSS volunteers and faculty members attended 'VIKASA' cashless transaction movement initiated by the Govt. of India.
- Faculty members and students of the college celebrated Science day and conducted science exhibition in all the science departments of the college.

## **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	15 acres	-	Government	15 acres
Class rooms	16	1	Government	17
Laboratories	23	01	Government	24
Seminar Halls	02	-	Government	02
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	43	-	Government	43
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others	0	0	0	0

#### 4.2 Computerization of administration and library

Computerization of Administration: SAKALA Facility is continued  
Biometric attendance for the staff is continued.  
Computerization of Library: Completed  
Barcode technology is adopted for circulation in the Library  
Library is going to update with RFID technology for its automation.



#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	41452	25,21,902/-	-	-	41452	25,21,902/-
Reference Books	5362	11,72,851/-	135	97,179/-	5497	12,70,030/-
Journals	36	1,02,706/-	-	34,269/-	36	1,36,975/-
e-Books	97000+	21,500/-	13	15,940/-		37,440/-
e-Journals	6000+					
Digital Database	1					
CD & Video	306	12,100	50	0	356	12,100/-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	88	32	0	0	04	04	15	08
Added	01	0	0	0	0	0	0	0
Total	89	32	0	0	04	04	15	08

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

1. College have >80 computers.
2. Each department have printer, computer with internet facilities.
3. Around >30 computers (Number of Terminals) for computer facility center.
4. Internet facility with broad band connection.
5. Wi-Fi enabled campus.
6. The college classrooms with smart board and LCD projectors.
7. Training program to teachers for using smart boards was arranged.
8. Information was provided to teachers to access e-journals and e-books.
9. Orientation program for students to use Library and other resources.
10. Internet access is provided to both students and faculty in the Library.
11. Browsing center facility for students at college Library.
12. Class room with smart boards.
13. Library is going to update with RFID technology for its automation.

4.6 Amount spent on maintenance in lakhs :

i. ICT: Computers -	87,740.00
ii. Campus Infrastructure and facilities:	17,80,018.00
iii. Equipment	4,69,604.00
iv. Others:	00.00
<b>Total</b>	<b>Rs. 23,37,362.00</b>

**Criterion – V**

**5. Student support and Progression**

5.1. Contribution of IQAC in enhancing awareness about student support services:

Many support services are made available to students. The IQAC contributes in creating and enhancing awareness of the same among the students through the following:

- Talented students are encouraged to take part in competitions organized in other Colleges/Institutions.
- Scholarships are provided under various schemes.
- Principal's address to the first year students
- Library orientation
- Guidance given by the teachers in respective classes about examination rules

5.2. Efforts made by the institution for tracking the progression:

- Besides the course teachers, each class has a class teacher and a mentor, whom the students can approach for academic and personal counseling.
- Internal assessment tests for UG's and PG's conducted periodically
- Regular observation
- Feedback from students

5.3. (a) Total number of students

UG	PG	Ph.D.	Others
1154	250	49	-

(b) No. of students outside the state

01

(c) No. of international students —

### UG

Men

No.	%
449	38.9

Women

No.	%
705	61.09

Last year						This year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
151	182	68	723	-	<b>1124</b>	158	186	72	738	-	<b>1154</b>

Demand ratio: 1:1.92 (550:1057)

Dropout% : 24.9

### PG Chemistry

Men

No.	%
31	28.70

Women

No.	%
77	71.30

Last year						This year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
06	09	02	35	-	<b>52</b>	01	12	01	42	-	<b>56</b>

Demand ratio: 1: 4.96 (56:278)

Dropout % : 8.9

### PG Physics

Men

No.	%
31	29.2

Women

No.	%
75	70.8

Last year						This year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
10	07	02	31	-	<b>50</b>	26	6	2	22	-	<b>56</b>

Demand ratio: 1:2.5 (56:140)

Dropout % : 1.8

### PG Environmental Science

Men

No.	%
19	52.8

Women

No.	%
17	47.2

Last year						This year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
-	09	-	04	-	<b>13</b>	01	08	03	11	-	<b>23</b>

Demand ratio: 1: 1.25 (32:40)

Dropout% : -

## Ph.D

Men	No.	%
	32	65.30

Women	No.	%
	17	34.69

	Last year						This year					
	General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
Chemistry	04	-	-	02	-	<b>06</b>	-	-	-	-	-	-
Biotechnology	07	03	-	01	-	<b>11</b>	-	-	-	-	-	-

### 5.4. Details of student support mechanism for coaching for competitive examinations (if any)

- All first year UG and PG students are given Bridge course/Orientation class which focuses on Personality development, attitude and aptitude refinement, goal setting.
- STS Worldwide projects India, Bangalore conducted a three days training program on data entry and data sourcing.

No. student's beneficiaries **100**

### 5.5. No. of students qualified in these examinations

NET	<b>01</b>	SET/SLET	<b>01</b>	GATE	<b>—</b>	CAT	<b>—</b>
IAS/IPS etc.	<b>—</b>	State PSC	<b>—</b>	UPSC	<b>—</b>	Others	<b>—</b>

### 5.6. Details of student counselling and career guidance

- The students having the problem in academics and some of the personal problems are solved through counselling done by subject teachers and class mentors.
- Placement cell arranges campus interviews for placement in various organizations
- Placement cell organizes career guidance lectures for interns for different specialties

No. of students benefitted **300**

### 5.7. Details of campus placement:

On campus			Off campus
Number of organizations visited	Number of students participated	Number of students placed	Number of students placed
02	88	15	19

5.8. Details of gender sensitization programmes:

-
---

5.9. Students activities:

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

State/University level  National level  International level

No. of students participated in cultural events

State/University level  National level  International level

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

Sports: State/University level  National level  International level

Cultural: State/University level  National level  International level

5.10 Scholarships and Financial support

	Number of students	Amount in Rs
Financial support from institution	-	-
Financial support from government	854	34,13,250 = 00
Financial support from other sources	03	24,000 = 00
Number of students who received International/National recognitions	-	-

5.11 Student organized/initiatives

Fairs: State/University level  National level  International level

Exhibition: State/University level  National level  International level

5.12. No. of social initiatives undertaken by the students

5.13. Major grievances of students redressed: Availability of computers, library accessibility to PG students

## CRITERION – VI:

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 State the Vision and Mission of the institution

##### Vision

**To Achieve Academic Excellence in Higher Education and Research**

##### Mission

- To inculcate and nurture young talents and evolve an effective mechanism for greater participation of all the stakeholders of the University College of Science
- To develop and operationalize a strategy to foster financial self-sufficiency and self-reliance
- To promote cordial working conditions, work ethics, work culture among the staff members thereby promoting welfare of the students and society
- To introduce innovative curricular framework aimed at knowledge, skill and aptitude-based, application-oriented higher education and research

6.2 Does the Institution has a Management Information System?

No

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

#### 6.3.1 Curriculum Development

The college follows the curriculum prescribed by the Tumkur University. The faculty members of the college being members of Board of Studies and Board of Examiners for different subjects contribute in developing the curriculum.

#### 6.3.2 Teaching and Learning

- The faculty members use ICT in teaching such as smart boards, audio-visual methods and PPT presentations.
- Organizing class room seminars, study tours, workshops, science exhibitions and field visits.
- Conducting remedial classes regularly for SC/ST, OBC and academically weak students.
- Conducting surprise tests, internal examinations and laboratory tests regularly.
- Special lectures were arranged for the students to enhance the learning process.
- Workshops and seminars were conducted for the students under CPE programs.

### **6.3.3 Examination and Evaluation**

- Regular evaluation of students' performance through surprise tests, internal examinations, assignments, and laboratory tests
- Conducts Semester examination as per the University schedule

### **6.3.4 Research and Development**

- Faculty members are encouraged to undertake projects(both minor and major) and hence the faculty members are engaged in the projects sanctioned by UGC, DST, VGST and other funding agencies.
- The faculty members are encouraged to pursue their Ph. D. on their own and through FIP.
- Our faculty members participated and presented their research work through papers at international/national seminars, conferences and workshops.

### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

- Library of our college contains sufficient number of books for all the students. Books are being purchased under UGC schemes and from Tumkur University fund.
- The college library is completely computerized and automated. Radiofrequency identification (RFID) technology implementation has been initiated.
- Class rooms are equipped with smart boards and overhead projectors which help the faculty members to use ICT facility to make their presentation more effective.
- The laboratories are well equipped, with the help of funding from UGC and Tumkur University.

### **6.3.6 Human Resource Management**

- The faculty members have been actively involved in IQAC, and other various committees, cells and different committees of Tumkur University.
- They are actively involved in NSS , NCC and red cross activities
- Some are deputed as special officers, deputy registrars and physical education director of Tumkur University.

### **6.3.7 Faculty and Staff recruitment**

- Our college is a constituent college of Tumkur University. The recruitment of teaching/non-teaching staff is made by the University as and when required.

### **6.3.8 Industry Interaction / Collaboration**

- Our college is a constituent college of Tumkur University. The University has MoU with many industry and research institutions and college is making use of it.
- The faculty members and students of our college regularly visit those industry/research institutions and are engaged in collaborative research works

## Welfare schemes for

Teaching	Medical Reimbursement facility
Non-teaching	Medical Reimbursement facility
Students	Different Scholarship schemes

Total corpus fund generated: 1,75,72,798/--

- Through Application, admissions & Others fee: 21,27,660/-
- Through Scholarships for SC/ST/OBC students: 42,85,138/-
- Grants Received from U.G.C:
  - Under CPE program 1,00,00,000/-
  - Towards sports: 1,60,000/-
- Grants Received from Tumkur University: 10,00,000/--

Whether annual financial audit has been done

Yes

### 6.3.9 Admission of Students

- The admission of students is done to different combinations including physical, chemical and natural sciences to 480 seats as prescribed by the Tumkur University.
- The admission process maintains the roster system according to the State Government regulations.
- The admission is done through counseling and is based on merit



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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	Tumkur University
Administrative	No		Yes	Tumkur University

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

Yes

For UG Programmes No

Yes

For PG Programmes No

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

NOT APPLICABLE

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

NOT APPLICABLE

6.11 Activities and support from the Alumni Association

Alumni association of our college is active and helpful in the academic and administrative improvement of college.

6.12 Activities and support from the Parent – Teacher Association

Parent-Teacher association conducts meetings regularly in the college and the suggestions received from parents help in the improvement of the college.

6.13 Development programs for support staff

The support staffs of our college are given opportunity to learn maintenance of the laboratories under the staff in charge of the laboratories and office. Computer training program was conducted for supporting staff of the college.

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

- Planting and maintenance of trees in the campus in general by the students and especially by 1 students.
- Usages of bicycles is encouraged
- Implementation of paperless administration is under progress.

### Criterion – VII

#### **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.

1. Regularly organised student seminars
2. Trained students in writing skills
3. Prepared wall Magazine
4. Bridge course was conducted for the First year B.Sc. students in the beginning of the academic year of 2016-17. The students were given a brief introduction of the Department and also were briefed about the course structure.
5. Science exhibition and competition was conducted on the occasion of the National Science Day to promote the awareness of Science (Chemistry in particular) and also to develop the experimental skills of the interested students.
6. Selected students were encouraged to participate in various local and state level science lecture/debate competitions.
7. Yoga and Yogic practices taught to the students and faculties
8. Indoor game facility for men and women made separately.
9. High lighting the importance of Global handwashing day on October 15<sup>th</sup> 2017.
10. Specifying the importance of Worlds Aids on Dec 1 2017
11. Special lecture on prospects of microbiology and bio statistics conducted and also workshop on bio informatics was conducted.
12. Special lecture on Fuzzy Logic and Machine learning on 10<sup>th</sup> October 2017 by the Computer Science dept.
13. Automation of Library activities with E-Lib integrated library management software.
14. Up gradation of RFID technology for library activities.
15. Extending OPAC (Online Public access Catalogue) search facility to users in Library.
16. Access to 6000+ e-journals, 31,35,000+ e-books through N-LIST and IEEE Communication society Digital Library

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

1. Conducted One day workshop on “Halegannada Kavya Rasagrahana “
2. Conducted One day workshop on “writing skills”-Creative writing, Letters to Editor, Articles and Freelance writing
3. The programmes mentioned above were successfully conducted
4. Workshop on identification of birds conducted.
5. Special lectures were conducted on the topics on anthropology and cracking IAS exam.
6. A Separate Competitive books corner is established “IAS Corner” and maintained.
7. Displaying Newspaper Clippings related to Career/ employment on the notice board periodically Internet facilities to different user groups.
8. Displaying the New arrivals of books and journals periodically

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

*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

1. Regularly organised student seminars related to curriculum.
2. workshop conducted on writing skills and Trained students about it.
3. Prepared wall Magazine
4. Attendance of students was monitored every month and students who had shortage of attendance were informed to make up for their attendance shortage.
5. The progress of the student and their overall performance was monitored by mentor system
6. Power point Presentation was conducted by the departments.
7. Issuing books to the needy students on caution deposit basis at the time of examination.

7.4 Contribution to environmental awareness / protection

Discussed about environmental issues and awareness through Syllabus and suggested further reading.

- a) Students were encouraged to take up the various

7.5 Whether environmental audit was conducted?      Yes                  No

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

Study tour was organized and visited Mangalore University and Madikeri,  
Industrial visit to the Nandini Dairy Tumkur by Microbiology students.  
BSNL and INCAP companies visited by the BVOC and BSc(PMCs) students .

8. Plans of institution for next year

a) The department has planned to conduct several workshop's related to chemistry awareness and developing the experimental skills under the CPE scheme.  
The department has planned to conduct several extension activities such as Science popularization programmes. The department has planned to visit local Government High Schools and conduct several chemistry experiments. The  
BSc students will be encouraged to actively participate in these programmes

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
*Signature of the Coordinator, IQAC*

\_\_\_\_\_  
*Signature of the Chairperson, IQAC*

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