

TUMKUR UNIVERSITY



UNIVERSITY COLLEGE OF SCIENCE, TUMKUR

**Annual Quality Assurance Report (AQAR)
of Internal Quality Assurance Cell (IQAC)
for the year 2013-14**

Submitted to

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

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THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC 2013-14

PART – A

1. DETAILS OF THE INSTITUTION

1.1 Name of the Institution

1.2 Address Line 1

Address Line 2

City/Town

State

Pin Code

Institution e-mail address

Contact Nos.

Name of the Head of the Institution:

Tel. No. with STD Code:

Mobile:

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID

1.4 NAAC Executive Committee No. & Date:

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B		2003	5 Years
2	2 nd Cycle	A	3.14	2012	5 Years
3	3 rd Cycle				
4	4 th Cycle				

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

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

1.9 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 (DD/MM/YYYY)
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.10 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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

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

Tumkur University, Tumkur

1.13 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

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

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="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="02"/>
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="16"/>
2.10 No. of IQAC meetings held	6
2.11 No. of meetings with various stakeholders: No.	<input type="text" value="5"/> Faculty <input type="text" value="3"/>
	Non-Teaching Staff <input type="text" value="1"/> Students <input type="text"/> Alumni <input type="text" value="1"/>
	Others <input type="text"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input type="checkbox"/>
If yes, mention the amount	<input type="text" value="₹ 3, 00,000"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
2.13 Seminars and Conferences (only quality related)	
(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC	
Total Nos.	<input type="text" value="0"/> International <input type="text" value="0"/> National <input type="text" value="0"/> State <input type="text" value="0"/>
Institution Level	<input type="text" value="0"/>
(ii) Themes	<input type="text"/>

2.14 Significant Activities and contributions made by IQAC

- Preparation of Plan of Action for 2013-14
- Preparation of XII Plan proposal
- Preparation of RUSA IDP
- Effectively implementation of ICT based

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"> • Conducting the Bridge Course for the freshers • Enhancing the research activity through undertaking projects funded by various funding agencies • Preparation of UGC XII Plan proposal • Enhancing ICT based teaching facility • Encouraging the faculty to publish research papers • Implementation of SAKALA in the Institution (To provide guarantee of services within the stipulated time limit) 	<ul style="list-style-type: none"> • Conducted the Bridge Course for the freshers • 16 UGC Minor Projects and 01 Major Projects has been sanctioned and submitted 02 projects • ₹ 27,60,000 have been sanctioned by UGC under the XII Plan • Smart boards have been installed in 06 class rooms, LCD projectors have been installed in 12 class rooms and all laboratories • 06 research papers in National and 63 research papers in International peer reviewed journals have been published by the faculty. 54 research papers published in conference proceedings • SAKALA has been implemented in the Institution to provide guarantee of services within the stipulated time limit

* 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: 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				
PG				
UG	1 (B.Sc.)			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total				
Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: Open options

(ii) Pattern of programmes:

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. No

1.5 Any new Department/Centre introduced during the year. If yes, give details. No

CRITERION – II: TEACHING, LEARNING AND EVALUATION

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Asst. Librarian	Asst. Physical Education Director
56	44	10	0	01	01

2.2 No. of permanent faculty with Ph.D.: 23

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

18	00	00
----	----	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	08	39	07
Presented	08	39	07
Resource Persons	00	02	04

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 and group discussions,
- 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 smart boards and LCD Projectors.

2.7 Total No. of actual teaching days during this academic year 180

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

- The college is following the examination pattern of Tumkur University.
- 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 35

2.10 Average percentage of attendance of students 82%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II%	III%	Pass %
I B. Sc. (I Sem)	547	10.42%	32.90%	9.32%	8.78%	61.43%
II B. Sc. (III Sem)	339	12.97%	23.89%	44.25%	15.63%	56.93%
III B. Sc. (V Sem)	304	21.05%	11.18%	26.32%	22.37%	57.24%

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II%	III%	Pass %
I B. Sc. (II Sem)	567	11.28%	26.98%	40.56%	11.11%	53.44%
II B. Sc. (IV Sem)	360	6.11%	23.88%	5%	18.89%	53.89%
III B. Sc. (VI Sem)	309	15.21%	15.21%	1.29%	22.97%	54.69%

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

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	06
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	04
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	0
Others	0

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	04	31	00	20
Technical Staff	00	04	00	00

CRITERION – III: 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

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	03	01	03
Outlay in Rs. Lakhs	0	83.07 lakhs	11.03 lakhs	422.0 lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	18	16	02
Outlay in Rs. Lakhs	0	26.44 lakhs	21.93 lakhs	5 lakhs each

3.4 Details on research publications

	International	National	Others
Peer Review Journals	60	0	0
Non-Peer Review Journals	03	06	0
e-Journals	0	0	0
Conference proceedings	09	40	05

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in

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	3 yrs	CSIR, DST	83.00	15.8
Minor Projects	2yrs	UGC	21.93	17.14
Interdisciplinary Projects	0		0	0
Industry sponsored	0		0	0
Projects sponsored by the University/ College	0		0	0
Students research projects (other than compulsory by the University)	0		0	0
Any other(Specify)	0		0	0
Total			104.93	32.94

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: 0

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	0	03	0	0	0
Sponsoring Agencies		KSTA, Bangalore, SAP, Tumkur			

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	0
	Granted	0
International	Applied	0
	Granted	0
Commercialized	Applied	0
	Granted	0

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
0	0	0	0	0	0	0

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	<input type="text" value="0"/>	State level	<input type="text" value="0"/>
National level	<input type="text" value="0"/>	International level	<input type="text" value="0"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="01"/>	State level	<input type="text" value="0"/>
National level	<input type="text" value="0"/>	International level	<input type="text" value="0"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="0"/>	College forum	<input type="text" value="12"/>		
NCC	<input type="text" value="02"/>	NSS	<input type="text" value="01"/>	Any other	<input type="text" value="0"/>

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

- NCC and NSS units of the college together conducted blood donation camp on 23rd September 2013 in association with Indian Red Cross Society Bangalore. Total of 75 units of blood has been donated on this occasion and contributed for the social activity.
- NCC cadets of our company has collected Rs. 2500.00 for Blind Welfare Association in the year 2013-14.

CRITERION–IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Details of increase in infrastructure facilities

Facilities	Existing	Newly Created	Source of Fund	Total
Campus area	15 acres	0	Government	15 acres
Class rooms	12	02	Government	14
Laboratories	22	0	Government	22
Seminar Halls	01	0	Government	01
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	01	0	Government	01
Value of the equipment purchased during the year (Rs. in Lakhs)		8.89759	UGC	8.89759
Others	0	0		0

4.2 Computerization of administration and library

Computerization of Administration: SAKALA Facility
 Biometric attendance for the staffs
 Computerization of Library: Partially Completed

4.3 Library Service:

	Existing		Newly Added		Total	
	No.	Value (In Rs.)	No.	Value (In Rs.)	No.	Value (In Rs.)
Text Books	40,872	25,00,000	95	10,572	40,967	25,10,572
Reference Books	5,000	10,00,000	58	35,227	5058	10,35,227
Journals	31	57,912	5	2,150	36	60,062
e-books	0	0	97,000	5,000	97,000	5,000
e-journals	0	0	6,000		6,000	
Digital Database	0	0	01		01	
CD & Video	274	12,100	20	0	294	12,100
Others (Specify)	0	0	0	0	0	0

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centre	Computer Centres	Office	Departments	Others Library
Existing	55	41	All the depts.	0	0	03	06	05
Added	15	03	0	0	0	02	10	0
Total	70	44	All the depts.	0	0	05	16	05

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

- Each department has computers with internet facility and a printer
- Internet facility in the computer centre
- WiFi enabled campus
- Training program to teachers for using smart boards
- Information has been provided to teachers for accessing e-journals
- Internet access is provided to both students and faculty.

4.6 Amount spent on maintenance in lakhs:

i. ICT	1,00,000
ii. Campus Infrastructure and facilities	1,00,000
iii. Equipments	20,000
iv. Others	50,000
Total	Rs. 2,70,000

CRITERION – V: STUDENT SUPPORT AND PROGRESSION

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

- Introducing support services like placement, grievance redressal, counselling and women sexual harassment prevention to the students during general address by the head and coordinators of the cells/committees
- Information about student support services is displayed on the notice boards
- Brochure containing all the details about student support services is provided to the students

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

- Progress of each students admitted to college is monitored from day of admission till the course completion
- Students performance in examinations, involvement and achievement in co-curricular and extra-curricular activities are recorded by mentor.

5.3. (a) Total number of students

UG	PG	Ph.D.	Others
733	0	0	0

(b) No. of students outside the state

04

(c) No. of international students

0

Men	<table border="1" style="display: inline-table; text-align: center;"> <tr style="background-color: #d9e1f2;"> <th>No.</th> <th>%</th> </tr> <tr> <td>301</td> <td>41.1</td> </tr> </table>	No.	%	301	41.1
No.	%				
301	41.1				

Women	<table border="1" style="display: inline-table; text-align: center;"> <tr style="background-color: #d9e1f2;"> <th>No.</th> <th>%</th> </tr> <tr> <td>432</td> <td>58.9</td> </tr> </table>	No.	%	432	58.9
No.	%				
432	58.9				

Last year						This year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
34	124	42	463	0	663	30	132	50	520	01	733

Demand ratio: **2.13**

Dropout %: 0.8

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

- Coaching for competitive examinations for ST/SC and OBC and minority students has been running in the institution Different resource persons from all disciplines were invited for coaching classes
- Coaching classes were conducted on all week days from 4.30 to 5.30 pm and 2.30 to 4.30 pm on Saturdays
- The teachers also provide information and guide the students in this respect

No. student's beneficiaries

5.5. No. of students qualified in these examinations

NET	<input style="width: 100%;" type="text" value="0"/>	SET/SLET	<input style="width: 100%;" type="text" value="0"/>	GATE	<input style="width: 100%;" type="text" value="0"/>	CAT	<input style="width: 100%;" type="text" value="0"/>
IAS/IPS etc.	<input style="width: 100%;" type="text" value="0"/>	State PSC	<input style="width: 100%;" type="text" value="0"/>	UPSC	<input style="width: 100%;" type="text" value="0"/>	Others	<input style="width: 100%;" type="text" value="0"/>

5.6. Details of student counseling and career guidance

- Counseling and career guidance programs promote the personal, social, educational, and career development of students.
- Lectures are arranged which has helped the students to become competent in their respective fields.
- The strength and weakness of each student is identified through counseling.
- Students are given guidance to use their strength and overcome the weakness.
- Career guidance cell functions to tap the potential in students which help them to take up the profession of their interest
- The teachers provide information and guide the students

No. of students benefitted

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
0	0	0	03

5.8. Details of gender sensitization programmes

- The resource persons were invited and they delivered a talk on women's harassment and its prevention during inauguration of different programmes such as NSS, NCC and Sports
- Women's sexual harassment prevention cell is working actively and provides information and suggestion regarding the issue in different forums

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	0	0
Financial support from government	132	7,26,480
Financial support from other sources	36	2,40,300
Number of students who received International/National recognitions	0	0

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:

Grievance: No common computer centre for the students

Redressed: Establishment of a common computer centre is under progress

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 of 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 presentation
- Organising class room seminars, study tours, workshops and field visits
- Conducting remedial classes regularly
- Conducting surprise tests, internal examinations and laboratory tests regularly

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 and hence the faculty members are engaged in the projects sanctioned by UGC, DST, VGST and other funding agencies
- The faculty members are pursuing their Ph. D.
- Our faculty members participated and present papers at national/international 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
- Computerization and automation of library is under progress.
- Class rooms are equipped with smart board and overhead projectors which helps the faculty members to use ICT facility to make their presentation more effective.
- The laboratories are well equipped, thanks to the funding from UGC

6.3.6 Human Resource Management

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

6.3.7 Faculty and Staff recruitment

Our college is constituent college of Tumkur University. The recruitment of teaching/non-teaching staff is made by the University.

6.3.8 Industry Interaction / Collaboration

- Our college is 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.

6.3.9 Admission of Students

- The admission of students is done to different combinations including physical, chemical and natural sciences to 420 seats as prescribed by the Tumkur University.
- The admission process maintains the roster system according to State Government.
- The admission is done through counseling and is based on Merit

6.4 Welfare schemes for

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

6.5 Total corpus fund generated: 4,75,24,687

- Through Application form fee: 74,600
- Through various fees: 10,15,300
- Through research funding agencies: 60,59,500
- Grants Received from State Government: 4,02,34,728
- Grants Received from University: 84,559
- Tuition fee: 56,000

6.6 Whether annual financial audit has been done Yes

6.7 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?

For UG Programmes Yes

No

For PG Programmes Yes

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 the 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 the parents help the improvement of the college.

6.13 Development programmes 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.

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

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

CRITERION-VII: INOVATION AND BEST PRACTICES

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

Innovations made in academic and related activities speak of the Progress of the college in leaps and bounds. The details of the innovations are given below:

- **SAKALA:** Implementation of Sakala to provide guarantee of services within the stipulated time limit.
- **BIOMETRIC ATTENDANCE:** Biometric attendance for teaching and non teaching staff has been introduced.
- **INTEL EMBEDDED SYSTEM LAB:** Intel embedded system lab was established to enhance software skills of the students.
- **CCTV CAMERA:** CCTV cameras have been installed.
- **PLANNING BOARD:** Planning Board has been formed to decide the budget and allocation of the resources.
- **SWOT ANALYSIS:** IQAC under took the SWOT analysis of the Institution.
- **ENTRY INTO SERVICE COACHING:** Coaching classes are being run in the Institution to train the students for Civil Services Examination.

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

ACTION TAKEN REPORT:

- For the convenience of the students the admission was done through counseling.
- Bridge Course has been conducted.
- Opportunities were provided to the teaching staffs to attend orientation/refresher courses and encouraged to participate in International/National seminars/workshops to improve their academic performance.
- The class rooms are equipped with smart boards and overhead projectors which helps the faculty members to make their lecture more effective.
- The laboratories have been upgraded with the induction of new instruments.

- The feedbacks from the students about the teachers have been analysed and the concerned teachers have been counselled.
- Planning Board has been formed to decide the budget and allocation of the resources.
- Coaching classes are being run in the Institution to train the students for Civil Services Examination.
- Biometric attendance for teaching and non teaching staff has been introduced.
- CCTV cameras have been installed.
- Ensured that teaching and learning activities and others have been properly going on in the Institution.

7.3 Give two best practices of the institution

The College aspires to focus on the overall personality development of the students along with the academic excellence for their better carrier. Innovative methods are being used to make the class room teaching and learning process pleasing. Best practices help realising the goals of the college and empowerment of the students.

See Annexure II and III

7.4. Contribution to the environmental /protection

- The college campus houses Budhavana and Dhanvantarivanain which the plants and herbs belongs to rare species are maintained.
- The college contributes to the environmental protection through various activities

The following are some of them:

- NSS annual camp was conducted at Chikkatotalakere village to develop public awareness about environment and its protection.
- NSS students of the college were actively involved in cleaning of College campus and in turn contributing to protection of the environment of the campus.
- World environment day was celebrated by the department of life sciences.

7.5 Whether environmental audit was conducted ?

YES

NO

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

SWOT ANALYSIS:

STRENGTHS		WEAKNESSES	
S1	Location of the institute in the heart of the city.	W1	Less interaction (collaboration) with industry and research institutes
S2	Good infrastructure encompassing 15 acres land with built up area of 13785 sq.mts	W2	Insufficient trained and skilled lab attenders/ technicians
S3	NAAC Accredited with A-Grade (CGPA-3.14))	W3	Insufficient trained office staff, computers
S4	Wi-fi enabled campus	W4	Low employability of the students (0.6%)
S5	Intake of the students based on merit as per Government norms	W5	Insufficient class rooms
S6	Well qualified, competent, dedicated and experienced staff (23- Ph.D, 09- M.Phil and 38 NET/SLET)	W6	Insufficient research laboratories
S7	Good Faculty-Student ratio 1:13	W7	Most of the laboratories are not equipped to cater to present day technology lacking high end instruments
S8	Good passing percentage	W8	Curriculum does not fully emphasize as per the current needs
S9	Good academic record of outgoing students (11.27 % > 75% marks)	W9	Library with less number of computers and no zerox facility
S10	Outstanding research achievement (68 publications)	W10	Inadequate drinking water facility
S11	Existence of Bank, ATM and canteen	W11	No health centre, gymnasium/ fitness centre
S12	Teachers involvement in externally funded research projects	W12	Low internal resource generation (IRG)
S13	Good library with INFLIBNET, 45872 books, journals and magazines	W13	Insufficient powers to become self sustainable Institution
S14	Existence of departmental libraries		
S15	Paperless office management (In progress)		
S16	Timely conduction of examination and evaluation		
S17	ICT enabled classrooms (12), classrooms with smart boards (6) and good laboratories		
S18	Counselling and conducting remedial classes for weak students		
S19	Existence of open air theater and auditorium		
S20	Student friendly environment		
S21	Existence of playground and indoor sports facility		
S22	Existence of various cells (10), NCC and NSS		

OPPORTUNITIES		THREATS	
O1	Easy access to stakeholders and their active participation	T1	Mushroom growing of private autonomous institutions
O2	Good support and guidance from the Tumkur University, Tumkur	T2	Pure Science does not guarantee employability and good salary wages for the graduates
O3	High percentage of socially, economically and educationally disadvantaged target groups	T3	Mushroom growing Institutions offering distance education
O4	Scope for Introduction of new vocational and diploma courses to enhance employability of the students	T4	Non preference to B.Sc. graduates in industry and companies
O5	Scope to train the students in communication skills, advanced learning methods and computer literacy.	T5	Tenuous State support and insufficient funding
O6	Students can undertake innovative projects under the guidance of the faculty	T6	Shift of student behaviour towards professional courses

8. Plans of institution for the next year

- Preparing new prospectus
- Preparing curriculum for Bridge Course.
- Undertaking SWOC analysis.
- Organising seminar/conference on internal quality assurance.
- Provide soft skills training to the students i.
- To provide xerox facility in the library.
- To encourage the faculty and the students to organize and present research papers in the national/international seminars / conferences / workshops.
- To collaborate with other institutions and industries regarding research and employability
- To strengthen the activities of placement cell
- To initiate the activities relevant for the reaccreditation process.

NAME: Veerabhadrayya M

Signature of the Coordinator, IQAC

NAME: Dr. Eswara H.Y

Signature of the Chairperson, IQAC

PRINCIPAL
University College of Science
TUMKUR - 572 103

UNIVERSITY COLLEGE OF SCIENCE, TUMKUR

ACADEMIC CALENDAR 2013-14

Since University College of Science is the constituent college of Tumkur University, Tumkur, we follow the academic calendar provided by Tumkur University, Tumkur as shown below.

TUMKUR UNIVERSITY
Vishwavidyalaya Karyalaya, B.H. Road, Tumkur- 572 103

No. TU:AC:Gen-85: 2013-14 / 746 Date: 15.05.2013

NOTIFICATION

Sub: Academic Calendar for the year 2013-14 in respect of
Under Graduate degree courses

Ref: 1. Proceedings of the Committee Dated: 14.05.2013.
2. Approval of the Vice Chancellor Dated: 14.05.2013.

The Academic Calendar for the year 2013-14 in respect of Under Graduate degree course is hereby notified.

I, III, V, VII & IX Semester Time Table

Sl No.	Time table	Date
01.	Re- opening of Colleges and Reporting of Teachers	08.07.2013
02.	Last date for admission to I, III, V, VII & IX Sem	06.07.2013
03.	Commencement of Classes for I, III, V, VII & IX Sem	10.07.2013
04.	Last date for admission with penal fee of Rs. 1000-00	15.07.2013
05.	Last date before which the admission statement in triplicate to be sent to the university.	22.07.2013
06.	End of the Classes	13.11.2013
07.	Vacation	15.11.2013 to 04.01.2014
08.	Commencement of Practical Examination	28.10.2013 to 12.11.2013
09.	Commencement of Examination I, III, V, VII and IX Semester	18.11.2013

II, IV, VI, VIII & X Semester Time Table

Sl No.	Time table	Date
01.	Re- opening of Colleges after vacation	06.01.2014
02.	End of the Classes	10.05.2014
03.	Vacation	12.05.2014 to 10.07.2014
04.	Commencement of practical Examination	28.04.2014 to 12.05.2014
05.	Commencement of Examination II, IV, VI, VIII & X	15.05.2014
06.	Commencement of 2014-2015 Academic Year	11.07.2014

* VII, VIII, IX & X Semesters applicable only to B.F.A. Course

BEST PRACTICE-I

1. Title of the Practice:

PLACEMENT CELL AND CAREER COUNSELING

2. Objectives of the Practice:

- To make students competent and make them aware about the recent trends in industries relating to employment opportunities.
- To identify and provide exposure to exhibit their skills and talent.
- To guide the students to overcome problems that they are facing.
- To counsel the students suffering from social and economic problems.
- To prepare the students for work environment.
- To make the students competent in communication skills and make them ready for the future challenges.
- To make students realize social responsibilities.

We presume that our responsibility is not only to educate students but also to help them in their future career development process. Considering this, we have established the above cell. The basic purpose is to orient students about the skills required by the companies. This cell has been established to provide gateway to the students in the companies/industries. Majority of the students are not aware about their talent for which we in association with various institutes organize tests and accordingly gauge their intent and potential for future career and placement.

3. The Context:

Through Career Counseling Cell, we organize various lectures and seminars for Personality Development of the students. Lectures include topics like communication skill, current industrial scenario and expectation of industries as well as how to face interviews etc. We invite many companies for providing campus base placement opportunities to the students to ease the process of recruitment and placement.

Students face various problems in their learning and academic growth. The social and economic problems disturb their academic growth. Lack of awareness about their own abilities and talent results in poor academic performance. To overcome this problem, it is essential to counsel the students and motivate them to do better in their studies. Counseling helps students to develop discipline in their personal life and also in the college.

Enrolled students of the college are from socially and educationally backward families and also from rural area. They are not much exposed to amenities available in urban areas. The

Students of the first generation need educational and career guidance through orientation and personal counseling. In today's competitive world, the students require communication skill, confidence and subject knowledge.

The Practice:

The personal counseling is practiced for the benefit of all the students of the college. All the faculty members are involved in the process of counseling. The college placement cell organizes lectures on Career Guidance and Employment opportunities. The career guidance and placement cell conduct some special courses in basic numerical, communication skills, mock interview etc. The college library has a number of books, journals, periodicals to help students in preparing to take up competitive examinations. All the activities and programs of the college are learner centered. The main endeavor of the placement cell is to get students placed in good position, reputed companies, government and other private sectors. The cell will act as an interface between the industry and the students.

Evidence of Success:

The counseling sessions helped the students to concentrate on their study and get success. Due to counseling and personality development programs, the attitude and approach of the students has changed positively.

There is a noticeable change in oral and written communication of the students. Many students with rural backward have overcome the inferiority complex. They are participating actively in class seminars, group discussions and present their ideas confidently. Many of the students excelled in all the activities after attending the special guest talks and interactive sessions. Many students have been pursuing higher studies in various Institutions and Universities.

4. Problems Encountered:

The companies/industries expect good communication skill and technically sound candidates. The Institution offers conventional science education and not the technical education. Hence the Institution had to convince the companies/industries. Majority of the students are from rural areas who are lacking in communication skills and suffering from inferiority complex. For them personality development and communication skill development programs were organized. The inferiority complex was overcome by counseling sessions in which individual's strengths and weakness are identified and they are made to overcome their weakness.

BEST PRACTICE-II

1. Title of the Practice:

ICT FACILITY IN TEACHING AND LEARNING PROCESS

2. Objectives of the Practice:

- To make the teaching method effective and innovative.
- To develop Iteration and modeling skills of students using ICT.
- To make deeper analysis of concepts, processes and visualisation.
- To use audio-visual system in teaching for better understanding of the subject.
- To develop the creativity and media literacy in students.
- To generate the confidence in students by high level information literacy.

3. The Context:

Information and Communication Technologies have recently gained groundswell of interest. Their nature has highly changed the face of education over the last few years. Effective use of ICT has changed the way of teaching and learning process. New technologies that provide a good fit with existing practices, such as interactive whiteboards are first to be embedded, but others like video conferencing, digital video and virtual learning environments are now being incorporated. ICT can improve teaching by enhancing an already practiced knowledge by introducing new ways of teaching and learning. Learning in a technology-enhanced setting is more stimulating and much better than in a traditional classroom environment.

4. The Practice:

ICT helps to incorporate innovative teaching and learning process in education. Visualization and simulations helps to understand the subject in better way. The smart boards have been installed in six class rooms in the Institution. Smart boards have new and advanced options to explain the subject effectively. Drawing of geometrical shapes and drawing the figures on smart boards has now become an easy job. Some animations can also be installed in the system. LCD projectors are also installed in the class rooms. Teachers are using the smart boards and LCD projectors to a maximum extent. In life science subjects complex and microscopic figures can be shown beautifully and clearly to explain the concepts. In mathematics three dimensional shapes and models can be explained using ICT. The concepts in Physics and experiments can be better understood with three dimensional figures. Library and Intel laboratory has internet facility which is available for students for utilization of ICT. Library has

more than 67,000 e-books and e-journals open for students. Computer and ICT literacy is developed in students by conduction training programs and interactive sessions in the Intel lab. Students are motivated to use ICT in effective way for enhancing their knowledge and to be in the network throughout the globe.

5. Evidence of Success:

ICT facility has enhanced the quality of teaching and learning process. Students are adapted to this advanced method of learning and the experience a feeling well in the classroom. The understanding and thinking ability of the students has developed in positive direction. Presentations have made the lectures effective and better. The better understanding of the subject by the students has been reflected in their performance in class room tests, class room activities and semester examinations. Teachers are mailing the study materials to the students that is accessible 24X7 by internet. The rural students have gained computer literacy and came out from the inferiority complex. Good response and fast learning was observed in the students.

6. Problems Encountered:

Even though most of the teachers are using ICT, some teachers are undergoing training to use ICT. Regular training and interacting sessions have been conducted for the teachers who have limited computer literacy. Faculty members of the Computer Science Department are actively involved in training the staff and students in this respect. Some class rooms do not have UPS connections which may obstruct the usage of ICT during power cut. Steps are being taken to provide the UPS connections to all classrooms.

ANALYSIS OF THE STUDENTS FEED BACK ON TEACHERS

No. of Teachers	Feedback		
56	Very Good	36	64.29 %
	Good*	15	26.78 %
	Satisfactory**	3	5.36 %
	Unsatisfactory***	2	3.57 %

* ** *** The teachers have been counselled and suggested for improving their teaching method and to provide necessary study materials and suggest good books to the students. They have been suggested to evaluate the performance of the students regularly.