



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		UNIVERSITY COLLEGE OF SCIENCE
Name of the head of the Institution		Shalini B R
Designation		Principal (in-charge)
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08162260220
Mobile no.		8762576187
Registered Email		principalucst@gmail.com
Alternate Email		iqacucs@gmail.com
Address		BH, Road, Tumkur
City/Town		TUMKUR
State/UT		Karnataka
Pincode		572103
<b>2. Institutional Status</b>		

Affiliated / Constituent	Constituent
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. Shet Praksh M
Phone no/Alternate Phone no.	08162260220
Mobile no.	9448803947
Registered Email	shirsatpm@gmail.com
Alternate Email	principalucst@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://ucst.ac.in/uploads/2023/sep/UCS-2018-19-AQAR.pdf">https://ucst.ac.in/uploads/2023/sep/UCS-2018-19-AQAR.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	No

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
3	B+	2.66	2019	08-Feb-2019	07-Feb-2024

<b>6. Date of Establishment of IQAC</b>	07-Jun-2004
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### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
NIL	30-Jun-2020 0	0

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
nil	nil	nil	2020 00	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

10

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

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

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

No

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

1. Conducted the Bridge Course for the I year students, faculties have participated in the 33 different knowledge up gradation programmes. 2. Enhancement in the research activity by publishing 29 research papers and 5 book chapters, presenting 21 papers in conferences, awarded 3 Ph.D degrees 3.Strengthening of career guidance, placement cell and conducted various skill development workshops. 4. Introduced BCA course during the academic year. 5. Improvement in the semester result by conducting mentorship extensively

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

Plan of Action	Achivements/Outcomes
Promoting research activities among teachers and students	Published twenty nine research papers in journals of national and International repute with good impact factor. Published five book chapters/conference proceedings. three

	Ph.D degrees were awarded during the year.
Introduction job oriented courses	BCA was introduced during the academic year
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	08-Feb-2020
17. Does the Institution have Management Information System ?	No

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

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

The curricula prescribed by the Tumkur University for the Bachelor of Science, Mater of Science, Bachelor of Vocation and Bachelor of Computer Application programs are adopted in the institution. The institution has well-structured plan to ensure effective implementation of the curriculum and is accomplished through various customs. Before the commencement of each semester meeting of all teaching staff members with principal is held to receive active inputs and to arrive at consensus for the effective implementation curriculum. The institution adopts method to conduct the meeting of heads of all the departments twice in a month. In the first meeting of the each semester the action plan is prepared in an optimal and effective way to ensure curriculum delivery. The institution follows the scheduled academic calendar notified by the Tumkur University for each semester. The necessary requirements are made at the department level to impart curriculum as per the action plans formed. The institution organizes bridge course at the beginning of academic year for all newly admitted students to prepare them for their next level of education as well as acclimatize them with the curricular and co-curricular structures of the programs. Bridge Course also inducts fresher into the collegiate atmosphere, familiarises them with the vision, mission, goals, objectives, rules of the college and attempts to make them overcome their reservations. At the beginning of the each semester all faculty will prepare action plan of their respective subjects which includes course outcomes and objectives it gives an insight to the contents of curriculum during the course of program. Action plan developed includes a way to impart program educational objectives

and its possible outcomes for each program and course objectives and course outcomes which are defined for each course in the curriculum by the University.

Teachers convey key and abstract concepts using PPTs and learning aids like molecular models along with the regular lecture methods. Labs are equipped with adequate equipments, computers and other consumables. A monitoring system involving the Principal and the HODs ensure full completion of the syllabi of all the courses. Students' progress is monitored by administering periodical diagnostic tests as well as assignments as a part of internal assessment. Library provides satisfactory access to the books prescribed in the syllabi. Students are encouraged to use e-learning resources. Student participation in the sports and physical fitness activities is given considerable weightage. With a vast outdoor sports facility, fully furnished indoor facility and a modern gymnasium, talented students are trained in sports and games and are made to represent the college at various levels of competitions. The annual sports day provides opportunity for the students to exhibit their sporting talent. Frequent seminars/lectures/demonstrations are organized on Yoga, physical and mental health aspects. The Cultural cell takes care of identifying and nurturing talents in literary activities and performing arts. Annual cultural fest beckons students to stage their performances. Documentation of curriculum delivery: Teachers document their everyday activity in the Academic Diaries which is reviewed by the respective HODs and further by Principal.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	NIL	30/06/2020	0	NA	NA

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCA	Computer Application	01/07/2019
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	PCM PMCs PME CBZ CBBt CZMB CZBt	01/07/2016
BVoc	Hardware Technology and Networking	01/07/2016
BCA	Computer Application	01/07/2019
MSc	Environmental Science	01/08/2014
MSc	Chemistry	01/08/2014
MSc	Physics	01/08/2014

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

	Certificate	Diploma Course
Number of Students	0	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
NIL	30/06/2020	0
No file uploaded.		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Computer Science	23
BVoc	Hardware Technology and Networking	5
MSc	Environmental Science	11
MSc	Chemistry	39
MSc	Physics	48
No file uploaded.		

## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Nil
Alumni	Nil
Parents	Nil

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

Feedback Obtained
<p>The feedback mechanism prevailing in the institution depends upon a well-functioning feedback system which is launched and implemented in accordance with integrated loop mechanism. The College has been practicing a 360 ° feedback system accommodating the stake holders including staff, students and alumni to help the institution to improve its effectiveness in curriculum delivery. The structured e-feedback forms (Google Forms) are circulated to student, teachers. The forms contain questions (of quick response type and a short descriptive answer type) regarding the effectiveness of curriculum and its delivery. The responses are analyzed by the built-in analysis of the application (G-Form). The qualitative treatment of data yields the mean scores for the various fields in the questionnaire. The descriptive feedback is thoroughly analyzed for critical inputs regarding the outcomes of curricula. The results are discussed in staff meeting as well as the one-on-one meeting with the competent persons and a program-wise action plan for the improvement is drafted.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	All	680	1494	619

	combinations: PCM, PME, PMCs, CBZ, CBBt, CZBt, CZMb			
BVoc	Hardware and Networking	50	45	14
BCA	Computer Applications	80	150	76
MSc	Chemistry	72	190	50
MSc	Environmental Science	34	13	9
MSc	Physics	72	165	50
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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1724	231	91	11	12

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
114	114	16	16	0	100

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

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

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

We all strongly agree for an effective educational experience for a student at college there must be a symbiotic relationship between the student and the teachers. In order to achieve this, we have an active mentorship practice in our college. Through this practice we not only monitor the academic development of the student but also try to realize a symbiotic relation between the teacher and the student. In the beginning of the academic year an average of 20 students are allotted to every faculty in the beginning of the year. The monitoring committee undertakes the job of formation of batches of mentees, distribution of these batches and giving orientation to all the faculty members in the beginning of the academic year. The mentors meet the students regularly and discuss with them several aspects of their learning. The mentors listen to their problems and provide guidance individually or in group. For the needy students a personal counselling is also done on the regular basis. The advanced learners are provided with additional competitive tools for learning. The slow learners, problematic and disadvantaged learners are identified and given not only counselling but also suggestions to cope up with their academic problems and to improve their performance. If any of the students have any sort of serious personal problem, they are referred to the student counselling centre where a team of trained faculty provides them the needed personal support. In case if the mentor finds out any kind of health issue the students are referred to suitable healthcare facility. The mentors also monitor the development and competencies of the students and maintain an academic progress document. During parent teacher interactions, the mentors discuss the same with the parents. Further this document includes the sports and extracurricular

activities of the students thereby an overall development of the students is documented. The mentors meet the parents at least once in each semester in this regard. Every semester meetings are conducted to review the progress of the mentoring system. The overall progress of the mentoring program is documented and reviewed in the meeting.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1728	114	1:15

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
89	44	45	0	35

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	NIL	Lecturer	NIL
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	01	I/III/V Sem	22/11/2019	03/01/2020
BVoc	02	I/III/V Sem	14/11/2019	03/01/2020
BCA	03	I Sem	14/11/2019	03/01/2020
MSc	04	I/III Sem	02/01/2020	12/02/2020
MSc	05	I/III Sem	02/01/2020	29/02/2020
MSc	06	I/III Sem	02/01/2020	12/02/2020
BSc	01	II/IV/VI Sem	23/09/2020	12/10/2020
BVoc	02	II/IV/VI Sem	23/09/2020	12/10/2020
BCA	03	II/IV/VI Sem	23/09/2020	12/10/2020
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### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous internal evaluation is an integral part of quality education. In our institution, we believe that our students will be highly benefitted by the rigorous continuous internal evaluation because it makes them ready for the exam at any point of time. The IQAC of our college gives high importance to continuous formative assessment. At the beginning of every semester along with the preparation of academic calendar and the action plan of the semester, internal examinations are planned. This planning well in advance helps the faculty members to cover the syllabus required for the internal test. Separate



internal examinations are conducted for both theory as well as practical components. Multiple internal texts provide the students to improve their internal assessment marks. Further, continuous assignments are given and evaluated keeps the students to follow up the teaching being delivered in the classes. In addition to these, quizzes, surprise test and several innovative evaluation methods are used for the continuous formative assessment of the students.

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

University College of Science is a constituent college of Tumkur University, the college follows the academic calendar of Tumkur University. Dates of beginning as well as the end of the semester, conduction of semester end examinations are fixed by the Tumkur University. However, the calendar for the continuous formative assessment is prepared at the institution level and adhered to it in conducting internal assessment examinations. At the beginning of the academic year, an action plan is drawn based on the academic calendar issued by the Tumkur University, the dates of internal examinations are fixed. The conduction of internal examinations is carried out at the departmental level for both theory and practical components.

## 2.6 – Student Performance and Learning Outcomes

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

<https://ucst.ac.in/igac.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1	BSc	All combinations - PCM, PME, PMCs, CBZ, CBBt, CZBt, CZMb	416	358	86.0
2	BVoc	Hardware and networking	13	13	100
4	MSc	Chemistry	44	35	79.5
5	MSc	Environmental Science	13	12	92.3
6	MSc	Physics	50	44	88.0

[View Uploaded File](#)

## 2.7 – Student Satisfaction Survey

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

<https://ucst.ac.in/igac.php>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	0	0	0	0
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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
0	0	

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
0	0	0	Null	0
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#### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	Null
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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
chemistry	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	chemistry	21	1.7
International	physics	7	1.9
International	biochemistry	1	0.9
No file uploaded.			

#### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
chemistty	1
physics	4
No file uploaded.	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Antimicrobial, anticoagulant and antiplatelet activities of green synthesized silver nanoparticles using Selaginella (Sanjeevini) plant extract	P. Raghavendra Kumar, S. Dakshayani, M. B. Marulasiddeshwara, M. N. S. Kumar, G. Ramesh, S. Devaraja, R. Hosamani	International Journal of Biological Macromolecules, 2019, 131, 787-797	2019	83	Department of Studies and Research in Chemistry, Tumkur University, Tumkur 572 103. Karnataka, India	83

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Synthesis, crystal structures and antioxidant studies of Pd(II) and Ru(II) complexes of 2-(4-methoxyphenyltelluro) ethanol	K.M. Prabhukumar, H.R. Rajegowda, P. Raghavendra Kumar, R. J. Butcher	Journal of Organometallic Chemistry, 902 (2019) 120967	2019	131	2	Department of Studies and Research in Chemistry, Tumkur University, Tumkur, 572101, India

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	9	12	0	0
Attended/Seminars/Workshops	2	5	0	3
Resource persons	1	0	0	2

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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
international yoga day	UCS Tumkur 4KBN	1	25
world environmental day	UCS Tumkur 4KBN	1	10
kargil vijay divas	UCS Tumkur 4KBN	1	25
ondu desha ondu samvidhana	UCS Tumkur	1	36
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
0	0	0	0
No file uploaded.			

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

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NCC	DG NCC, NEWDELHI	Republic Day parade Jan-2020	1	1
NCC	UCS, Tumkur and 4 Kar BN, NCC Tumkur	Swachh Bharath Activity	1	25
NCC	UCS, Tumkur and 4 Kar BN, NCC Tumkur	NCC cadets of the college worked as volunteers for the PM Visit, for the Kissan Samman Yojana Launch at Govt. High School field Tumkur	1	1
NCC	UCS, Tumkur and 4 Kar BN, NCC Tumkur	Cadets worked as volunteers for the personality development programme, memory techniques and learning	1	1

red ribbon club	District AIDS Prevention and Control Unit, Tumkur	HIV AIDS and Youths	1	150
swachha bharat	Government of India	Certificate of Achievement-Beginners-Say No Plastic	1	1
swachha bharat	Government of India	Certificate of Achievement-Beginners-Say No Plastic	1	1
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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
0	0	0	0
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
0	0	0	Null	Null	0
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
0	Null	0	0
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
0	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing

Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
e-Lib i-Next (Web version)	Fully	22.04.30	2017

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	44893	3792358	5	0	44898	3792358
Reference Books	5362	1172851	0	0	5362	1172851
Journals	36	155906	0	1700	36	157606
e-Books	97000	43315	0	5900	97000	49215
CD & Video	306	12100	0	0	306	12100
Library Automation	1	194877	0	0	1	194877
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
nil	nil	nil	Nil
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	88	22	25	10	0	4	15	1	37
Added	10	10	0	0	0	0	0	0	0

Total	98	32	25	10	0	4	15	1	37
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1 MBPS/ GBPS
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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
nil	Nil

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
5	3.29	15	11.6

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

The College has well-defined policies for maintaining and utilizing academic and support facilities. The general maintenance and upkeep of these facilities are the responsibility of the institution. Support staff are appointed to assist in general maintenance in addition, housekeeping tasks are outsourced by the Tumkur University. The Office Superintendent is over-all in charge of monitoring infrastructure maintenance. Regular maintenance of computer laboratories and systems are carried on by the concerned Department. The services of the Engineer of the Tumkur University are also available for consultation and guidance. Computer systems available in the laboratories and the Resource Centre in the library are fully utilised. The library is fully utilised and is open from 9.00am to 6.00 pm to facilitate the maximum number of users. Requirement for new textbooks, reference books, magazines, journals and e-books as per suggestions given by Library Committee, HODs, are placed before the concerned Committee for approval by the Librarian and procured as per approval. Periodic weeding out of outdated textbooks is also undertaken after approval in order to make space for new titles. Stock verification is done annually with the help of faculty. There is a substantial annual budget for adding to the library collection and improving library facilities. General infrastructural facilities are maintained by college support staff. The services of Tumkur University Engineer, Electrical engineer, electricians, plumbers and gardeners are always available. Any maintenance or repair work is reported to the concerned official for required action. All major requirements have to be submitted in writing for approval. Requirements for new classroom furniture or fittings are submitted in writing by the Principal to the Tumkur University for approval by Purchase Committee. All sports facilities, are maintained by the Physical Education Director along with college support staff. Requirement for new equipment or repair of old equipment is placed before the concerned Committee and same is purchased and repaired by the Tumkur University from the budget allocated for our college. Further, responsibility of the above mentioned things are taken care by the Head of the Institution, all HoDs, and IQAC coordinator and are responsible for ensuring the maintenance of all aspects of the institution in terms of approval of work, planning and overseeing. Staff, students and parents are welcome to bring to notice any work required in terms of maintenance of campus. It is the responsibility of all stakeholders to play their role in maintaining the campus. The Documents are to

be maintained by the administrative staff regarding the status of infrastructure, maintenance, repair work and any contracts, approval copies etc.

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	social welfare department	647	2281110
b) International	Nil	Nil	Nil
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
nil	Nil	Nil	Nil
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	NIL	Nil	Nil	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

### 5.2 – Student Progression

#### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Himatsingka	25	4	Wipro	10	2



Linens Pvt.  
Ltd.

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	222	B.Sc and B.voc	physics, mathematics chemistry botony zoology micr obiology.. etc	universities and B.ed colleges	M.Sc and B.ed
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#### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Nil	0
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#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Nil	institution level	Nil
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	nil	National	Nil	Nil	00	00
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#### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Response Student union is an active student organization, dedicating its time and resources to give the student community an opportunity and a voice to students creative energy. It fosters leadership qualities, social and cultural values and good hobbies. Student council is formed through election to the student representatives from each class. The elected representatives choose coordinators from the final year classes. These coordinators become nominees in the university level students council. The students representatives are involved in the exclusive Students Fora, functional and statutory committees. The Fora are: Debate forum, Crafts forum, Quiz forum, Communicative English fora, Event management fora, Writer'sfora, Legal and civic awareness fora, Readers Fora, Cartoon, Drawing and Painting fora, and Photography and Media fora. Apart from these platforms, all the departments have subject associations to conduct activities of the respective departments. Various activities like

seminars, preparation of wall magazines, workshops are conducted involving and sharing responsibilities on student members of department associations. The college has various Functional/statutory committees to perform academic, curricular, co-curricular and extra-curricular activities. Student representatives and coordinators are appointed as members of committees.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services After helping students successfully to receive their degree/certification, our campus begins to look for new opportunities to continue adding value to the personal and professional life of alumni. Alumni associations are of vital importance for both alumni and the college. Alumni often provide networking opportunities, job connections, and community. Even graduates who move far away from their college have opportunities to participate in alumni chapter events, and meetups. The activities of associations are: Alumni Committee: This committee act as a bridge between college and alumni associations. Conduct meetings for effective implementation of alumni engagement in the campus and conducted four meetings on the same. Alumni Interaction : Every department organize alumni interaction, so that alumni can share their expertise with the students in terms of academic, higher education and career perspectives.

5.4.2 – No. of enrolled Alumni:

200

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

20000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni association members had been conducted meeting on 25-12-2019 , to discuss about fund rise to build alumni building.

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

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

**Decentralization:** This is a Government autonomous college under Tumkur University. The Principal is the head of the college. Tumkur University is the administrative body consists of Honourable Vice chancellor, Registrar, Registrar (Evaluation) to the policies, road map, development and functioning of institute. The action plan is formulated by the planning body which includes Principal, heads of the department and coordinators of various departments. The Principal provides suggestions, monitors the procurement, and welfare activities. The head of the institution is responsible for academic, co-curricular and administrative activities of the institution. Further, for the sake of smooth running of the college, Various cells like student grievance and redressal cell, women empowerment cell, placement cell, Women's Development Cell etc, and different committees like Admission committee, Academic and Examination, Cultural, Discipline, NCC, NSS, Anti-ragging squad, etc. are formed. **Participative Management:** The college promotes a culture of participative management. The responsibility of the institution for its progress rests on the faculty, Heads of the department, Administrative

officials and non-teaching staff. Various committee members work as a team for the betterment of the institute. At each level, there is an active participation in planning and implementation.

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

Partial

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	The College follows curriculum determined by the Tumkur University and Many faculties are members of BOS and BOE of Tumkur University and other Universities of the state. Faculties actively contribute to provide class notes to the students and wrote many text books. They make curriculum easy for students through different teaching methodologies, ICT and other Techniques.
Teaching and Learning	The college has the strategy of planning academic activities before the commencement of the semester. The academic calendar is given by the Tumkur University. The faculty prepares curriculum delivery plan. The institute promotes innovative teaching learning methods. A faculty uses different techniques for improving the students understanding and grasping power. Besides maintaining notes and using only blackboard for teaching as in earlier days, ICT and other teaching methods as group teaching, seminars by students, class quiz, assignments, etc. are used in the classrooms by faculties to enhance their teaching by making learning more interesting. Faculty are encouraged to attend FDP, workshop and upgrade their knowledge and skill.
Examination and Evaluation	The faculty members of the college are working as members internal and external examiners as paper setters and evaluators for theory and practical examination. Internal examinations (theory practicals are conducted for each semester and evaluation is carried out by the faculty. Semester examinations are conducted by the University. The results displayed on the Tumkur University website. The results are analyzed and students' feedback is obtained, and if necessary, changes are made in the delivery of subject. Assignments are also given in

	each course.
Research and Development	<p>Faculties are encouraged to pursue research. Many faculties have undertaken major and minor research projects. Their research work has been published in many reputed National and international journals. Faculty also present research papers in international and national journals and conferences.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>•Serials subscription system is maintained by entering the data in the E-Lib Integrated Library Management Software. •To support Library Automation RFID technology is implemented and tagging RFID tags to books is in process. •Library has access to more than 6000 e-journals (including current issues with 5-10 years back files) and 1,35,000 e-books through program entitled "National Library and Information Services infrastructure for ScholarlyContent (N-LIST)" by INFLIBNET. •Library has access to IEEE Communication Society Digital Library which includes 17 periodicals and conference and workshops proceedings. . Requirements of the equipments/instruments from departments are meet from time to time budget allocated by the university.</p>
Human Resource Management	<p>As a affiliated college, academic and non-academic staff is recruited by the Tumkur University. Faculties were appraised and motivated for further enrichment with research aptitude. Administrative staff is encouraged to provide their best support for the smooth functioning of the institution. The college also invites visiting faculties to fullfill the needs of institutions. Teaching staff is motivated to carryout co-curricular activities along with their basic duty of teaching. Teaching staff is inspired to bring out the best from the students through effective teaching. Platform is provided to the students to take part in various co-curricular activities as per their interest. Potential talents of the students are explored through extra-curricular activities. These talents will be nurtured and a platform is provided for exhibiting their expertise through intercollegiate competitions and youth festival.</p>

Industry Interaction / Collaboration	Industry interaction like Special lectures are organized in the college from eminent speakers. Industrial visits are conducted to the students. Many faculties have collaborations with RD institutes, industries and other universities.
Admission of Students	Admission notification has been posted on the college and university websites and news papers. The students were given counseling and guidelines to choose proper course or subjects. Reservations followed as per rules and regulations guidelines of Karnataka state.

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

E-governance area	Details
Planning and Development	To enable the office staff to work on computer, computer training was given to them. They were taught how to use net and send the email to keep in touch with other colleges, Office of higher education, education department, University, UGC, NAAC, etc.
Administration	Presently office related correspondences with Pay bill and other bills, admissions, exam, scholarship, accounts, etc. are being operated online. The administration of office dealing with students, faculty, and admissions are partially computerized.
Finance and Accounts	Accounts, salary, and exam forms, Scholarship, etc. is being operated with computers/online. All the salaries of teaching and non teaching staff are computerized and online.
Student Admission and Support	College constitutes an admission committee for UG/PG level admission. Merit list announced online. Equal opportunity is given to all the eligible candidates/students irrespective of their caste, creed, gender, number of attempts and merit at HSC level purely on merit basis. College also gives admission to those students, who have passed in supplementary Exams after main HSC Exams. As a government college, the college gives admission to the deprived students. All the seats are filled every year in UG and PG departments of the college. All the scholarships and fees will be according to admissible to Karnataka state government.

<b>Examination</b>	<p>All the exam related data and management activities are managed through computers. Results of internal exams are uploaded online. Students' registration form for examinations and marks of internal exams are uploaded online. The hall tickets are received online. End exam results are available on the university website. All correspondence to University like communicating the internal examination results, University examination forms, etc. are partially communicated as soft copies and in the form of emails.</p>
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### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	-	-	-	0
2020	-	-	-	0

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NIL	NIL	Nill	Nill	Nill	Nill
2020	NIL	NIL	Nill	Nill	Nill	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
<b>REFRESHER COURSE</b>	0	01/04/2019	31/03/2020	21
<b>FACULTY DEVELOPMENT COURSE</b>	19	01/04/2019	31/03/2020	07
<b>SHORT TERM COURSE</b>	3	01/04/2019	31/03/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>The staff association established which is an instruments that brings the members of different interests under one roof.</p> <p>Group insurance available. Availability of OOD, SPCL, EL, Maternity, Paternity, medical, study are some of the leave facilities available for the staff.</p> <p>Institution also encourages the faculty to persue higher studies like Ph.D, post doctoral studies under FIP.</p>	<p>The staff association established which is an instruments that brings the members of different interests under one roof.</p> <p>Group insurance available. Availability of OOD, SPCL, EL, Maternity, Paternity, medical, study are some of the leave facilities available for the staff.</p>	<p>Scholarships as per the admissible norms of state government of Karnataka. The mentor-mentee system started to address the problems of the students and under each mentot 15 students were alloted.</p> <p>Remedial classes conducted for the students weaker in the subject.</p>

**6.4 – Financial Management and Resource Mobilization**

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

**Internal financial audits:** All the expenses incurred for conducting different activities of various committees, various programmes organized in the college, NSS, NCC SPORTS, Career Counselling, placement etc., office stationary and maintenance etc. are sanctioned by the Finance office, Tumkur University.

**External financial audits:** All the expenses incurred for conducting different activities of Tumkur University are audited by External auditor.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
-	0	Nil
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6.4.3 – Total corpus fund generated

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**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Tumkur University	Yes	University College of Science



Administrative	Yes	Tumkur University	Yes	University College of Science
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6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

A meeting of teachers and Parents conducted during the orientation program of the fresher students was concluded with the following points: To promote NSS and NCC among the students to develop community feeling. To encourage students to take part in extracurricular activities for their holistic development. To teach the opportunities and importance of the course. The information of the children progress are informed and interaction are allowed to know their problems if any from the college and suggestions are voluntarily accepted for the development of institutions.

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

- Faculties are encouraged to organize conferences, workshops, seminars etc.
- Faculties are encouraged to undertake minor major research projects.
- Also teachers are encouraged to attend professional development trainings like orientation course, refresher course and FDPs.

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

- Career Counselling Centre to prepare the students for various competitive examinations.
- To enhance student for capacity building, soft skills and employability skills.
- Placements.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Nil	Nil	Nil	Nil	Nil
2020	Nil	Nil	Nil	Nil	Nil
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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Sexual harassment in college campus	26/06/2019	26/06/2019	97	53
Women empowerment	17/10/2019	17/10/2019	103	47



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

Percentage of power requirement of the University met by the renewable energy sources

Year: 2019-20 Power requirement met by renewable energy source: 45KW Total power Requirement in KW: 105 Renewable energy sources : Solar Renewable energy generated and used: 19259 Energy supplied to the grid: Nil Total lighting equipments in KW: 24.135 Percentage lighting through LED bulbs : 7.89 Percentage lighting through other sources: Nil Name of the work: Garden maintenance and Housekeeping work Years : 2019-20 Budget allocated for green initiatives (in Lakhs ): - Expenditure on green initiatives and waste management excluding salary component (in Lakhs ): 3,55,872/- Annual expenditure excluding salary component of the institution: 3,55,872/-

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	1
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	13/03/2020	1	Special Lecture on "Corona Virus: Be aware don't panic"	Awareness programme on COVID-19	200
2019	1	1	29/04/2019	1	National Environmental Innovation Summit	Novel and Sustainable Water Treatment for healthy India: Moving forward	165

						with innovation Circular economy: Drivers for innovations and Environmental Sustainability IP Innovation Green Technology Innovation in Forestry sector	
2019	1	1	02/10/2019	1	plastic free abhiyaan	Plastic free campus	150
2020	1	1	03/01/2020	1	Contribution of Dr. Salim ali on the conservation of birds in Devarayana durga State Forest	On occasion with 80th anniversary celebration of Dr. Salim Ali	50
2020	1	1	04/01/2020	1	Bird survey	On occasion with 80th anniversary celebration of Dr. Salim Ali	140
2020	1	1	24/01/2020	1	Awareness on Tobacco Prohibition	Tobacco prohibition Abiyaan	80
2020	1	1	20/02/2020	1	Book Exhibition	on the occasion of Matru Basha Divas	94
2020	1	1	28/02/2020	1	Book Exhibition	To support Nation Science	93

2020	1	1	13/03/2020	1	Special Lecture on "Corona Virus: Be aware don't panic"	Day Awareness programme on COVID-19	200
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct (Handbooks)	Nill	<a href="https://ucst.ac.in/">https://ucst.ac.in/</a>
UGC RULES AND REGULATIONS:	Nill	<a href="http://www.ucst.ac.in/ugcrules">http://www.ucst.ac.in/ugcrules</a>
UNIVERSITY STATUES	Nill	<a href="http://www.ucst.ac.in/university">http://www.ucst.ac.in/university</a>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2019	15/08/2019	86
Gandhi Jayanthi	02/10/2019	02/10/2020	68
International Yoga day	21/06/2019	21/06/2019	128
Ambedkar Jayanthi	14/04/2019	14/04/2019	58
Republic day	26/01/2020	26/01/2020	86
Book exhibition	20/02/2020	20/02/2020	78
Mathru bhasha divas	20/02/2020	20/02/2020	52

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

1. Solid waste management: Solid waste management is a critical aspect of maintaining a clean and environmentally responsible campus. Effective waste management not only ensures a healthier and more pleasant environment for students and staff but also contributes to sustainable practices that benefit the broader community. Here are some key points to consider when addressing solid waste management in a college setting. Implement a comprehensive waste segregation system that categorizes waste into different types, such as recyclables, non-recyclables, organic waste, and hazardous waste. This practice makes it easier to manage waste streams efficiently and promotes recycling and proper disposal. 2. Liquid waste management: Liquid waste management is a crucial component of maintaining a healthy and sustainable environment. Also known as wastewater management, it involves the proper collection, treatment, and disposal of liquid waste generated from various sources. Liquid waste encompasses a wide range of materials. Each type of liquid waste requires specific treatment methods based on its composition and potential environmental impact. It is necessary to treat effluent/wastewater, hence our college is having a good facility to channel wastewater to be discharged from all

laboratories to underground channels for disposal in a proper manner. Sewage waste is directed to separate closed pits for decompose 3. E-waste management E-waste Management: Establish a system for the proper collection and disposal of electronic waste (e-waste), such as old computers, printers, and electronic gadgets. E-waste often contains hazardous materials that require special handling. As per the government policies we adopt 3R (Reduce, Reuse and Recycle) methodology. Printer Cartridges are generally refilled, wherever refilling is not possible, the cartridge is returned to the manufacturer. 4. Rainwater harvesting structure and utilization in the campus The rainwater received on the top floor of the building in the college campus and the college hostels have been drained through the pipelines. The rainwater that is falling on the rooftop of the college campus and hostel campuses are been diverted to the garden areas of the respective places. We have a plan for making use of the rainwater in the coming years by requesting the government agencies to set up or provide funding for a proper utilization system for the entire campus by rainwater harvesting. 5. Green practices Students and staff using a) Bicycles b) Public Transport • Most of the local students of Tumkur residences of nearby areas are coming by walk or on bicycles. Even some of the teaching and non-teaching staff members of the adjacent areas of the college are coming by walk. • Students who come from different Taluks use KSRTC buses and are effectively using the public transport system and are contributing to the green practice.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**BEST PRACTICES** 1. Title of the practice -1: Career Guidance Training: University College of Science offers career guidance on all the aspects of career planning, job opportunities, and options for post-graduate studies for the student. The college covers most of the students from rural and urban backgrounds, to help them choose the right career path based on their interests and capabilities. The Institute works towards enhancing the individual and institutional culture to better turn out graduating students with appropriate attitudes, capabilities, and temperament to serve the needs of the ever-changing and dynamic needs of the community. 2. Objectives of the Practice The practice of continuous and improved career guidance serves to achieve the following objectives, 1. To broadly research other job choices. The exercise aids students in considering several types of occupations they might pursue once they graduate. 2. to make it possible for students to choose a suitable higher education program once they have finished their undergraduate degree 3. To discover and assist students who are interested in entrepreneurship in learning about the resources (processes, technology, and businesses) required to consider it as a career. 4. To impart information and abilities in oral and writing communication that are necessary for completing the placement process successfully. 5. To offer a forum for learning about various civil services examination-related topics and interacting with certain applicants who have already achieved success. 3. The context What were the context-specific characteristics or difficult problems that needed to be addressed while planning and putting this technique into practice (in roughly 150 words)? Different stages of education are experienced by students in PUC. who are pursuing the science discipline. These include taught in vernacular mediums, urban and rural areas, central schools, etc. Additionally, there are diverse socioeconomic, educational, and gender issues, which are universal aspects. As a result, creating an environment where all students have an equal chance to succeed by the time, they graduate is quite difficult. Thus, ongoing career counseling and guidance would improve students mental clarity and ability to make wise career decisions. 4. The Practice The following actions carried out by the Training and Placement unit help to attain these objectives. The college also engaged in certain supplementary and complementary activities. 1.

Beginning in the semesters of the program, career guidance training programs are run for students to assist them in exploring different career opportunities in collaboration with different government, private sectors and NGOs. 2. In order to prepare students for the problems of the future, they receive training in communication skills, soft skills, personality development, aptitude skills, and technical skills. 3. Resource persons from premier Institutions, Research Center's, and Industries are invited to deliver technical talks and to create awareness about the opportunities in various sectors 4. Students are encouraged to participate in technical contests, carry out project work, undergo internships, and also organize various activities to enhance their knowledge through experience. 5. An awareness program on civil service is conducted to encourage students to prepare for civil service exams and other national-level exams. With an objective to make every individual student industry-ready, the following training programs are provided at various levels of their higher study and job opportunities. 1. New collar employability skills program 2 'Opportunities in defense' program 3. Future perfect program 4. Employment skill training program disha - udyamasheelatha margadarshana. on specific skills, tools, and technology supplementary to formal curriculum needed to enhance career prospects. 5. Evidence of success Evidence of success such as performance against targets and benchmarks of college as follows. 1. The number of students attending the career guidance programs willingly have increased from program to program. 2. The retention rate of graduates for higher education and competitiveness is better than before. 3. Feedback indicates that the students who have undergone life skills training programs are really helpful in balancing their work and life. 4. The students have progressively gained confidence in managing the placement interviews better. 6. A few of the students have become successful in selecting and getting through the GATE, and JAM examinations. Some students have become successful entrepreneurs also. 6. Problems Encountered and Resources Required The major challenges we faced and had to be addressed in designing and implementation are, 1. Activities for career counseling had to be meticulously scheduled as part of the academic calendar, which increased the pressure to consistently adhere to the academic calendar. This needed to be accomplished. 2. Getting the students to understand the value of participating in career advice programs through in-house faculty members, so they regularly attend placement training programs and career guidance meetings. 3. It was also necessary to make faculty members aware of the various career opportunities available in engineering in general and in their particular branch. 4. Providing the practical parts of career planning, including supplemental (formal/non-formal) activities to support the formal curriculum, required continuous alumni feedback and interactions. 5. Finding the right resources for career counseling takes a lot of time and energy, so it must be balanced with regular curricular work. This can occasionally be seen as a correction to formal education. A lot of background work had to be done before, during, and after organizing career guidance activities. These included identifying appropriate topics, Features, or Skills needed to be imparted. This led to an appropriate resource person to be identified to handle this, followed by Technical, Financial, and Physical resources needed to conduct the activity. Qualitative assessment of Feedback from such activities had to be done to Scale up, Modify, or even drop such activities in the future. This demanded Space and Time in various departments, additional Laboratory tools/equipment, dedicated additional time from faculty in related specializations, additional funds, and logistics which was met by the college. Developing industry linkage was essential for developing and delivering the training programs on a customized basis. The experts from the industry having a good network with other organizations was a critical factor in enhancing the placement opportunities for students. 1. Title of the Practice - 2: Ideal Usage of Digital Platform 1. Objectives of the Practice: 1. To exploit and secure administrative efficiency through easy modes of Communication at all levels 2. To make use of the

technology for the creation and preservation of the learning materials for future references 3. To provide easy and student-friendly services at learning places like libraries, offices, and other centers. 4. To enhance the effective and quick assessment process 5. To allow the virtual mode of teaching to supplement the predominant educational methodology 6. To upgrade technological facilities. 2. The Context Nowadays, all the fields like business, enterprises, different industries, and the education sector vastly depend on technological innovations. virtual mode of communication in sectors has altered the perception of life, especially in the educational field virtual mode holds uplift for the institutions along with the formal education. In this context, the institution has accepted new policies and approaches in all its functioning. The institution today is capable of using efficiently ICT in every field of educational transactions. The paradigm shift in the institution reflects the institutional openness and timely adoption of learner-friendly technology. 3. The Practice: During this year the institution has enhanced the use of technology in every field. The institution is extensively using ICT for official communication, documentation, administration, preserving the learning resources like lectures, e-resources in e repository and easy modes of assessment, communication, generation of question papers, question bank repository, online internals, etc. The other useful tools developed during the year are the Digital attendance process, Digital Notice board, check at the library, Google Classroom/meet G-suit, Zoom meeting. 4. Evidence of success The faculty and the departments/ committees are aware of the virtual mode of communication through online class, meetings, faculty development programs etc. The reading materials, links to video/audio contents, the texts and other useful learning sources are uploaded to you tube and sent to the different class what's up groups created by the departments during this year. 5. Problems encountered and resources required One of the difficulties is to customize the patterns and set-ups to the college/student's specific requirements. The elaborate and frequent meetings at various levels have led the institution to customize to suit the requirements. Another important requirement was the recording unit/studio. Different subject lectures taught by the subject experts are uploaded to YouTube for the benefit of the students. The service providers had issues with the frequent interrupted internet access to the stakeholders.

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

<https://ucst.ac.in/>

### 7.3 – Institutional Distinctiveness

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

University College of Science, an institution with Potential for excellence, constituent College of Tumkur University (erstwhile Government Science College) was established in 1940 to cater to the educational needs of the Tumakuru district where the majority of students hail from the rural background. Tumkur is Just 70 Kilometres away from Bangalore the State capital of Karnataka. The college is situated in the heart place of Tumkur City. Tumkur the city is well popular as Kalpataru Naadu (land of coconuts) and is also well known for education. The college has an area of 90 acres and the campus is about 98,800 sq. ft. In 2009, the erstwhile Government Science College was handed over to Tumkur University, which was renamed as University College of Science. Vision "To achieve academic excellence in Higher Education Research", Our institution is consistently enhancing its infrastructural facilities and human resources as it continues to progress toward the fulfilment of its mission. Our institution takes immense pride in its unique identity, which sets us apart as a beacon of excellence, innovation, and transformative education. Our commitment to



nurturing academic, cultural, sports, and social growth has culminated in the development of a distinct institutional character that stands out in the educational landscape. The major stakeholders of the institute are students of rural areas, who come from remote areas and are economically deprived of professional education due to their economic condition. Having them as the major stakeholders the college is offering courses in B.Sc., of different combinations of science such as PCM, CBZ, PMCs, PME, CZMb, CBBt and. The college is also offering the BCA, B.Voc course in hardware technology and networking. PG Courses in Chemistry, Physics, and Environmental Science are also offered in the college. The college has got a well-established library comprising a good number of books, journals, and e-resources, and it supports the staff and the students of the college. Presently college has about 1600 plus students. The above courses are well supported by fifty-five permanent faculty members and 94 full-time guest faculties. Faculty members are dedicated, competent, and well qualified and also engage themselves in various funded projects from the funding agencies like UGC, DST, CSIR, DBT, VGST, etc.,. Some of the faculty members also guiding the Ph.D., programs of Tumkur University. The institute also supports all the other co-curricular and extension activities. In all, the institute is supporting the overall growth of the students by which the students are fulfilling the existence of the institute. Mentioning all the above relevance our college has grabbed the recognition of being the institution of college with the potential of excellence and making it distinctive from other institutions. Our institutions performance in promoting sustainable practices stands as a testament to our dedication to realizing our vision and priorities. Through holistic efforts encompassing infrastructure, education, engagement, and community partnerships, we have cultivated a culture of sustainability that resonates with our core values. As we continue this journey, our resolve to foster a greener, more sustainable future remains unwavering.

Provide the weblink of the institution

<https://ucst.ac.in/>

## 8.Future Plans of Actions for Next Academic Year

- Promote the faculty members to be involved in curriculum designing such as per the state and university provisions and based on feedback from various stakeholders (open elective courses and adding more self learning modules, skill components, topics concerning local, regional, national and international issues, gender issues, environment related topics, social issues. Timely revival of the syllabus and take feed-back on the syllabus. • Promoting the teachers to improve teaching skills for betterment of institution. Creating good learning atmosphere to students such as use of smart class rooms enabled with ICT tools, creating competitive atmosphere in the institution for learning Promote the faculty to participate in the work-shops, conferences related to teaching, learning and evaluation Support and encourage the staff to obtain Ph.D degrees, to take up research projects and guide-ship in respective areas of research. • Promoting to publish research papers in journals and conferences of repute. Sensitize faculty about IPR and promote industry institute interaction by developing MOUs with industry and academia. Promoting all the extension activity programmes of NCC, NSS, Sports and science popularization programmes. • Creation of all round facilities in the campus for both faculty and students like library, sports, canteen etc. Upgrading the existing and classrooms and laboratories by writing proposals to various funding agencies. • Promoting the faculty and students to develop the holistic leadership qualities, involve teachers and students in the various committees for the smooth functioning of the institution • Creating awareness among students about different scholarships available through state and central government schemes and facilitate to receive them from the various agencies. • Creation of student activity cell, promotion for conducting the

programmes related to personality development and career guidance. • Conducting placement drives thorough placement cell. Promotion of alumni activities in the campus. Promote students to take-up the research projects and attend the conferences and seminars. • Promote to conduct activities related to building values among faculty and students, sensitizing the students about the environment related issues, creation of green and plastic free campus.