The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2016-17

1. Details of the Institution

1.1 Name of the Institution

SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION

1.2 Address Line 1

SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION CAMPUS

Address Line 2

AGALAKOTE, B.H.ROAD

City/Town

TUMKUR

State

KARNATAKA

Pin Code

572107

Institution e-mail address

info@sahe.in

Contact Nos.

0816-2275516

Name of the Head of the Institution:

Dr. P. BALAKRISHNA SHETTY

Tel. No. with STD Code:

0816-2275526

Mobile:

9972041394

Name of the IQAC Co-ordinator:

Dr. GIRISH BABU.R.J

Mobile:

9964502527

IQAC e-mail address:

iqac@sahe.in

1.3 **NAAC Track ID**: | KAUNGN11428 |

1.4 NAAC Executive committee No.& Date:

| EC/71/A&A/10.1   DATE: 16/11/2015 |

1.5 Website address: | info@sahe.in |

Web-link of the AQAR: | www.iqac@sahe.in/aqar 2016-17 |

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.01	16/11/2015	15/11/2020

1.7 Date of Establishment of IQAC : | 18/06/2015 |

1.8 **AQAR for the year** | 2016-17 |

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

   i. AQAR : **10.04.2017**

   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

(AICTE, MCI, D

Type of Institutio

2. IQAC Composition and Activities

2.1 No. of Teachers

| 19 |

2.2 No. of Administrative/Technical staff

| 05 |

2.3 No. of students

| 00 |

2.4 No. of Management representatives

| 03 |

2.5 No. of Alumni

| 00 |

2. 6 No. of any other stakeholder and

   community representatives

| 00 |

2.7 No. of Employers/ Industrialists

| 00 |

2.8 No. of other External Experts

| 01 |

2.9 Total No. of members

| 28 |

2.10 No. of IQAC meetings held

| 04 |

2.11 No. of meetings with various stakeholders: No. | 08 | Faculty | 04 |

Non-Teaching Staff Students | 02 | Alumni | 01 | Students | 01 |

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

   If yes, mention the amount | - |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 117 | International | 00 | National | 06 | State | 02 | Institution Level | 109 |

   (ii) Themes | - |

2.14 Significant Activities and contributions made by IQAC

> The IQAC has been working on developing quality and key performance indicators for the institution.

> The key focus has been on feedback for majority of the stakeholders like alumni parents, employees, industry etc. The feedback analysis is done by the IQAC and report to individual institution is provided.

> IQAC significantly contribute towards greater environmental consciousness among all its stakeholders. It has taken initiative action towards green and healthy campus. To Maintain health and fitness among stakeholders, Yoga demonstration and practicing sessions are organised in the campus.

> IQAC is working towards national interpretation by celebrating various regional festivals and conducting various talks on eminent personalities. Observing " No Tobacco Day", " Oral Hygiene Day", "Diabetes Day", " Anti Rabies Day", World TB day showcasing Medical education to Public through " Medex" are made regular events in the campus.

> Research methodology workshop, breastfeeding week, were conducted to enhance the academic standards. sports and cultural activities' and swatch bharath and other national important days were observed in the institution.

> IQAC has conducted workshops, Conferences and Faculty Development Programs.

> Personality development programs for the students were also conducted.

> IQAC has observed "Environment Day" and "Yoga Day" apart from regular techno-medical campaign.

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
Training Programmes for Teachers in the forms of Revised Basic Course MET Workshop	50% Teachers Covered
Plan to install high end MRI	IVF Centre, Molecular Cytogenetics
All the audit courses were made mandatory without semester end examination and are considered only as a continuous internal evolution.	-

UG Program ➤ Revised Structure, scheme and question paper pattern for first year has been proposed. ➤ Self-study component to be added ➤ Question paper pattern to be revised for first year. ➤ For lateral entry students, one course on Fundamental Mathematics (3 Credit) has to been introduced and exemption for one of the courses in their program of 3 credit. **Plan for M Tech. Program (2017-18)** ➤ Change in structure and syllabus ➤ Introduction of laboratories ➤ Summer Semester (Crash) for failed students	➤ Revised Structure, scheme and question paper pattern for first year has been implemented. ➤ Self-study component has been introduced ➤ Question paper pattern has been revised for first year. ➤ All the audit courses are made mandatory without semester end examination and are considered only for continuous internal evaluation. ➤ In Eighth semester the credit of 20 for project work has been reduced to 14.

.

2.15 Whether the AQAR was placed in statutory body   Yes ✓   No ☐

Management ✓   Syndicate ✓   Any other body ☐

Provide the details of the action taken

Appropriate changes were made to AQAR following inputs from the members.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	09	-	-	-
PG	32	-	07	11
UG	11	-	01	11
PG Diploma	07	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	59	-	08	22
Interdisciplinary	-	22	22	22
Innovative	-	03	03	03

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option
     (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	17
Trimester	-
Annual	11

1.3 Feedback from stakeholders*   Alumni [✓]   Parents [✓] Employers [✓]   Students [✓]
   (On all aspects)

        Mode of feedback   :   Online [✓] Manual [✓]

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

> - Revision of Syllabus has been incorporated for 3rd & 4th sem students (2017-18). Diploma Mathematics I & II (Audit Courses) belonging to 3rd & 4th sem have been clubbed to have Basic mathematics for the 3rd semester and has been given 3credits.
>
> - It is decided to give exemption of one subject with 3 credits to the diploma students, which they have studied in Diploma course. From this year onwards, for M.Tech students a change in syllabus is incorporated for students joining during 2017-18.
>
> - It has been decided to conduct summer courses for the failed subjects just like for U.G courses. It is also decided to have Labs in the I & II sem M.Tech Course.
>
> - MCQs are introduced in internal assessment and university examination for BDS and constitute 20% of total marks in the question paper.
>
> - The introduction of MCQs will help in assessing student's finer understanding of the subject as well as their capacity to face the competitive entrance examinations to gain entry into post-graduate courses.

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

Curriculum Development Cell is reviewing from time to time the Structure and Syllabus according to the requirements of the stakeholders.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Assistant Professors	Associate Professors	Professors	Others
417	159	66	120	72

2.2 No. of permanent faculty with Ph.D.

47

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
05	02	-	01	06	-	-	-	06	03

2.4 No. of Guest and Visiting faculty and Temporary faculty

05	-	-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	53	65	310
Presented papers	55	34	59
Resource Persons	01	16	66

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

> **Medical/Dental:**

   For undergraduates:

   o Problem based learning, small group teaching, OSPE & OSCE, MCQ Tests, interdepartmental seminars, community health awareness programmes

   For postgraduates:

   o Case based learning and skills lab.

   o Introduction of Undergraduate students to Endo microscope

   o Phantom head Radiology Training

   o Problem based learning

> **BE:**

   o Self Study

   o Case Studies

   o Implant Training

   o Outcome Based Education

   o Choice based Credit Based System

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

247

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

✓

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

| 122 | 177 | 13 |

2.10 Average percentage of attendance of students

86

2.11 Course/Programme wise
     distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division %			
		Distinction	I	II	Pass
MBBS	893	2.1	11.6	22.8	28.6
MD/MS/PG-DIPLOMA	49	-	26.5	-	61.2
BDS	144	1.3	27.7	38.1	-
MDS	15	-	-	93.3	
SSIT	1852	65	22	7	6
M.Tech.	47	94	05	-	-

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

       The IQAC periodically assess the feed back taken from the students, alumni, parents, and faculty &
       suggest suitable to academic section. Continuous performance assessment cards on regular basis.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefited
Refresher courses	1
UGC – Faculty Improvement Programme	-
HRD programmes	155
Orientation programmes	90
Faculty exchange programme	-
Staff training conducted by the university	01
Staff training conducted by other institutions	14
Summer / Winter schools, Workshops, etc.	223
Yoga	58

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	92	-	5	5
Technical Staff	118	-	8	10

Criterion – III
3. Research, Consultancy and Extension

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

- The IQAC provides special training in research methodology for faculty by conducting workshops or by sponsoring faculty to attend national/international scientific meetings.

- The faculties are given incentives for scientific paper presentation in national and international conferences.

- The funds are allotted for research grants, seed money, procurement of instruments and equipment for research, faculty development programs and development of infrastructure facilities to conduct research.

- Research methodology workshop for PG students and faculty are conducted annually. Regular academic meetings are conducted by medical education department to review synopsis and dissertation of PG students.

- Training of PGS and faculty in ethical issues

- UG Students are encouraged to take ICMR students projects.

- Free online course on Dental photography from UK university ,

- The course is taught by a team from the School of Dentistry at the University of Birmingham UK.

- This free course covers all aspects of the use of digital photography in dental practice: intra-oral, extra-oral, and portraits. Participants will be taken through photography, from the basics of choosing correct equipment and setting it up, to optimum settings, techniques for consistent imaging and the safe storage of images.

- An online FREE , Certificate course on research ethics available at http://elearning.trree.org/

- Classes in research methodology organized for First year postgraduate students.

- Information on application to ICMR for research grants.

- Faculty members have been encouraged to pursue Ph.D. and financial assistance is provided for research publications in the peer reviewed journals.

- Enhancing institution research facilities such as-access to online journals of ASCE, ASME, IEEE

- Procurement of hardware and software which are useful for research

- Promotion to the PhD holders.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	20	49	32	-
Outlay in Rs. Lakhs	13,65,053/-	69,000,00/-	18,00,000/-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	3	8	-
Outlay in Rs. Lakhs	2,44,000/-	9000/-	2,53,000/-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	106	78	08
Non-Peer Review Journals	-	25	-
e-Journals	10	10	-
Conference proceedings	22	275	-

3.5 Details on Impact factor of publications:

Range $\boxed{1.1 - 9.8}$ Average $\boxed{3.76}$ h-index $\boxed{56}$ Nos. in SCOPUS $\boxed{25}$

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (in Lakhs)	Received (in Lakhs)
Major projects	68	KCTU	31.45	21.86
Minor Projects	30	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-		-	-
Projects sponsored by the University/ College	50	-	-	-
Students research projects *(other than compulsory by the University)*	06	KSCST	0.3	0.3
Any other(Specify)	-	-	-	-
Total	184	-	31.75	22.16

3.7 No. of books published   i) With ISBN No. $\boxed{02}$ Chapters in Edited Books $\boxed{-}$

ii) Without ISBN No. $\boxed{}$

3.8 No. of University Departments receiving funds from

UGC-SAP $\boxed{-}$ CAS $\boxed{-}$ DST-FIST $\boxed{-}$

DPE $\boxed{-}$ DBT Scheme/funds $\boxed{-}$

3.9 For colleges   Autonomy [-]   CPE [-]   DBT Star Scheme [-]

                INSPIRE [-]   CE [-]   Any Other (specify) [-]

3.10 Revenue generated through consultancy

[95 Lakhs]

3.11 No. of conferences

    organized by the Institution

Level	International	National	State	University	College
Number	-	06	01	-	01
Sponsoring agencies	-	TEQIP & SSAHE	-	-	TEQIP & SSIT

3.12 No. of faculty served as experts, chairpersons or resource persons   [86]

3.13 No. of collaborations   International [02]   National [21]   Any other [-]

3.14 No. of linkages created during this year   [08]

3.15 Total budget for research for current year in lakhs :

    From Funding agency [35]   From Management of University/College [15]

    Total [50]

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
04	01	02	01	-	-	-

3.18 No. of faculty from the Institution   [40]
    who are Ph. D. Guides

    and students registered under them   [164]

3.19 No. of Ph.D. awarded by faculty from the Institution   [04]

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	170	State level	-
National level	-	International level	-

3.22 No. of students participated in NCC events:

University level	-	State level	-
National level	04	International level	-

3.23 No. of Awards won in NSS:

University level	-	State level	-
National level	-	International level	-

3.24 No. of Awards won in NCC:

University level	-	State level	-
National level	01	International level	-

3.25 No. of Extension activities organized

University forum	-	College forum	09		
NCC	-	NSS	21	Any other	-

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

*   Electrical & electronics, computer peripherals awareness programmes at rural government high schools.

*   Computer education at rural government high schools.

*   Visit to the orphanages & old age homes

*   Swach Bharath Abhiyan in villages

*   Using of LED lights

*   Community Health services

*   **5 Events** : No Tobacco day, Oral hygiene Month, Oral hygiene awareness camp for inmates of central prison for women, Industrial workers, Inmates of blind school and Orphanage.

*   **4 extension activities**: oral hygiene day at Empress School, Prosthodontic day, Oro maxillofacial day, no tobacco day.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing (Acres)	Newly created	Source of Fund	Total (Acres)
Campus area	SSMC: 223 SSDC: 25 SSIT: 50	-	-	298
Class rooms	71	-	-	71
Laboratories	75	-	-	75
Seminar Halls	39	-	-	39
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	90	08	-	98
Value of the equipment purchased during the year (Rs. in Lakhs)	200	412	College	612
Others	-	48	College	48

4.2 Computerization of administration and library

> Student information system

> Management information system

> Tally –ERP software

> New Gen LIB management software

> Digital Library Soft ware: D –SPACE

> More than 24 thousand books, approximately 900 e- journals and Cds and Videos available to facilitate learning for students.

> Library, internet facilities, Sports facilities are available for all the registered users.

> Availability of super Speciality centres such as IVF center, Cath Lab And Dialysis unit.

> WiFi enabled campus provides active learning facilities all the tile

> 30 % of the annual budget is spent towards infrastructure development

> Approximately 15 books per student available in the library and 75% of the library budget is utilized for procuring Library Books, international and national Journals

> Computer nos-8, LCD- 01, photo copy machine -01, Biometric machines 02 (35000.00X2)

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	110372	4.24 Cr	218	0.0075 Cr	92547	4.2475 Cr
Reference Books	13257	0.20 Cr	18	0.009 Cr	6621	0.209 Cr
e-Books	125256	UGC/INFONET membership 0.015 Cr	845	0.0015 Cr	126101	0.015 Cr
Journals	1179	3.91 Cr	-	0.0035 Cr	829	3.91Cr
e-Journals	7383	UGC/INFONET membership 0.15 Cr	43	0.12 Cr	6524	0.17 Cr
Digital Database	05	0.039 Cr	-	0.0011Cr	3	0.050 Cr
CD & Video	892	0.0039Cr	06	0.0010 Cr	136	0.0049 Cr
Others (specify)	37 Cds	-	-	-	37 Cds	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments
Existing	859	22	Wi Fi (60 mbps)	Wi Fi (02)	02	07	32
Added	159	02	Wi Fi (40 mbps)	-	-	01	LCD - 02
Total	978	24	Wi Fi (100 mbps)	02	02	08	34

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

> ➢ The digital Library Campus has been upgraded & Wi-Fi Facilities are available round the clock.
>
> ➢ The faculty & students are constantly upgraded on the available facilities through training & orientation programmes.

4.6 Amount spent on maintenance in lakhs :

i) ICT   14.87

ii) Campus Infrastructure and facilities   64

iii) Equipments   87

iv) Others   04

Total :   169.87

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> ➢ IQAC monitors functioning of various institutional committees dealing with student support.
> ➢ Organizing interaction of students with various institutional committees.
> ➢ Ensure student representation in various institutional committees.
> ➢ Regular conduct of mentor programme.
> ➢ Organizing orientation programme.
> ➢ Identification of slow learners.
> ➢ Ensuring conduction of remedial classes for slow learner.
> ➢ Yoga class on relaxation and meditation.
> ➢ Special classes for PG entrance examination.
> ➢ NSS/NCC activities.
>   o The departments/Institute frequently organizes various National/International Seminars/Conferences /Paper Presentations /Project Exhibitions where students can showcase their talents and get opportunities to Interact with Experts in the irrespective fields.

5.2 Efforts made by the institution for tracking the progression

> ➢ Student counselling
>
> ➢ Feedback system
>
> ➢ Grievance redressal Cell
>
> ➢ Result Analysis & progress reports
>
> ➢ Effective mentorship both intra & inter departmental at all phases
>
> ➢ Parent teacher Interaction periodically
>
> ➢ Slow learning are identified & remedial classes are introduced
>
> ➢ Regular weekend class tests, table tests, Viva, group discussions, Part ending (session) tests, Internal assessment examinations, Hostel coaching, Parent- teacher & parent- mentor meetings are conducted to enhance student progression. Effective Feedback at all levels is obtained to increase the efficiency at all levels. Slow learners are identified & remedial classes are taken and opportunity is provided for them to perform to the maximum possible extent.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2659	274	164	-

(b) No. of students outside the state

617

(c) No. of international students

77

No	%
30	38

Men

No	%
37	62

Women

	Last Year						This Year				
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1337	149	93	1067	04	2650	1409	181	106	1226	03	2925

Demand ratio 1:3   Dropout % 2

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

> Well qualified staff always motivates & guide the students to take up competitive exams & are always available for the students to clarify their deficiencies in the subject matters.

> Digital library with Wi-Fi facility is provided to aid them in preparation.

> Providing information through employment board regarding the dates and other information   on various competitive exams/ job vacancies.
> Interactive session on preparation during mentor meeting.
> The library is equipped with latest books pertaining to competitive examination.
> MCQs are being introduced as part of their university exam to acclimatize them for future competitive exams.
> Encouragement and support by faculty to the students attempting competitive exams.
> Regular MCQ classes are conducted daily for PG entrance examination preparation by staff.

No. of students beneficiaries

345

5.5 No. of students qualified in these examinations

| NET | 10 | SET/SLET | 16 | GATE | 28 | CAT | 03 |
| IAS/IPS etc | 01 | State PSC | 03 | UPSC | 03 | Others | 16 |

5.6 Details of student counselling and career guidance

> ➢ A separate Student counselling & career guidance cell is established, through which students are made aware of job opportunities & research activities.
>
> ➢ Students are also helped in providing placements to own alumni in various departments.
>
> ➢ Special classes for PG entrance examination preparation by staff
> ➢ The T & P cell provided career guidance by organizing the seminars/workshops from eminent personalities from Academia and Industry.

No. of students benefited   2284

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
21	295	212	86

5.8 Details of gender sensitization programmes

> ➢ Zero tolerance towards gender based discrimination policy is strictly followed.
>
> ➢ Women empowerment & welfare committees comprising of teaching, office staff & students.
>
> ➢ International women day celebration, Girl child education & its importance
>
> ➢ Stress management techniques were being taught for Both faculty & students.
>
> ➢ Equal opportunity for all is practiced in all occasions.
> ➢ Creation of women's cell.
> ➢ Celebration of international women's day.
> ➢ Encouragement for participation in various extracurricular activities.
> ➢ 5. Panel discussion on gender sensitization titled ' HE FOR SHE' was conducted

5.9 Students Activities

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

State/ University level | 211 | National level | 23 | International level | - |

No. of students participated in cultural events

State/ University level | 240 | National level | 10 | International level | - |

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

Sports : State/ University level | 133 | National level | 09 | International level | - |

Cultural: State/ University level | 88 | National level | 01 | International level | - |

5.10 Scholarships and Financial Support

	Number of students	Amount (In Lakhs)
Financial support from institution	18	9.00
Financial support from government	1745	385
Financial support from other sources	32	11.65
Number of students who received International/ National recognitions	03	2.5

5.11   Student organised / initiatives

Fairs : State/ University level | 03 | National level | 01 | International level | - |

Exhibition: State/ University level | 03 | National level | 01 | International level | - |

5.12   No. of social initiatives undertaken by the students | 25 |

5.13 Major grievances of students (if any) redressed:
                * Examination related eligibility problems
                * Hostel related problems
                * Improvement in canteen facilities.
                * Enhancement and improvement of WIFI connection and speed.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **VISION**
> - Entrancing Education to reach the unreached.
>
> **MISSION**
> - Providing a congenial ambience for learning and creativity in young minds.
> - Providing high quality medical education and prepare the student to be citizens of the world, proficient in their respective field and to respond to the needs of the society in which they live.
> - Providing research and public service activities relevant to the needs of the society.
> - To train the student to be morally responsible to the community and serve humanity to their utmost ability.
> - Promoting own capacity to manage and develop the institution as possible.
>
> - To impart fundamental knowledge of science and technology.
>
> - To instil managerial, entrepreneurial and soft skills.
>
> - To evolve as trusted destination for quality technical education.
>
> - To provide positive contribution to meet societal needs.
>
> - To inculcate a spirit of enquiry, make learning perceptive and rational.

6.2 Does the Institution has a management Information System

> - University websites with complete information about the faculties, colleges available:
>   info@sahe.in, vc@sahe.in, register @sahe.in coe@sahe.in
>
> - National Knowledge Network Database.
>
> - www.my-gurukul.com
>
> - www.ssdctumkur.org
>
> - info@ssmc.tumkur,org

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

6.3.1 Curriculum Development

> - The board of studies and other authorities of University regularly meet over prescribed periods to assess the impact of the curriculum.
> - Every effort is made by the authorities to include topic, programs in emerging thrust or interdisciplinary areas.
> - In all the courses medical, dental and engineering, designed at least two bridge courses in the form of problem based learning, enrichment course and value adding courses.
> - Equal importance has been given to all branches based on relevance, national and global need at UG & PG level
> - In all the constituent colleges of soft skills and communication skills are appropriate personality developments sessions are designed and implemented.
> - The national and international faculty provide their appropriate feedback for curriculum aspects during their visits for academic or regulatory activities
> - Multiple choice questions are introduced in theory question paper for the batch of 2016-17
>
> - Competencies are being created to introduce competency based medical education. Teaching faculties have been sensitized towards competency based medical education at the revised basic medical education workshop.
>
> - Interns and postgraduates orientation is inclusive of basic and advanced cardiac life support training which is organized by society for emergency medicine of India.

6.3.2 Teaching and Learning

> The university prepares academic calendar for all the constituent colleges. The constituent colleges while complying to university academic calendar meticulously prepare various time tables, such as college time table, semester time table, year wise time table, subject wise time table, teacher topic time table, lesson plans. The annual calendar of events incorporate tentative-examination schedules, schedules for college day, cultural , sports , co curricular activities, alumni meet and parents meet. The teaching schedule is rigorously implemented.

> Every effort is made to provide excellent learning experiences to students at the different settings, including community-industry and rural setting. Varied teaching methods include experimental learning, didactic and participative learning and problem solving methods .

> Other teaching methods used are computer facilities, internet , use of laboratories, e-journals, video conferencing, seminar symposium hands on experience, work in rural setting are routinely practiced. All the teachers are trained in working knowledge of computers and internet.

> The teachers use advanced technologies for teaching learning. Mentorship is effectively practiced at all the constituent colleges, mentor-mentee list is maintained appropriate academic and personal needs of the students are monitored. The mechanism to recognize creative and innovative contributions of faculty and students is in place in constituent colleges. The post graduate students have to complete the dissertation as a partial fulfillment of the program. The students provide feedback on teacher performance, the output analysis is used to enhance of teaching learning process.

> The academic progress of the students is continuously monitored by the weekly test which is conducted daily and the internal Assessment tests.

> . The students are motivated by the counselors (20:1) and based on their performance the students are trained and to participate in workshops, seminars and paper presentations.

> Classrooms are enabled with ICT facilities

> Webinars are conducted for the benefit of students and staff to update.

> Availability of Skill labs , video learning's enhance effective skill transfer to the students.

> Stress on Problem based learning and Case based learning

6.3.3 Examination and Evaluation

> ➢ Every academic Programme of the university has well- structured syllabus including the evaluation process. The academic calendar is provided to each students.
>
> ➢ The stake holders are the university, the constituent colleges, the students and the parents. The evaluation process of the university is designed within the framework of the guidelines stipulated by the respective apex bodies. The evaluation process so designed is approved by the Academic Council and ratified by Board of Management.
>
> ➢ The constituent colleges are also actively involved in constitution of panel of approved external and internal examiners. The students and parents are informed about the pre evaluation, evaluation and post evaluation processes during the induction programs, which are conducted for each PG & UG programme in the constituent colleges. The scheme of examination is described in the syllabus which is made available to all students and parents Examination dates, results etc. are announced through website, notifications. Teachers are well trained for evaluation methods. Facilities for verification of marks is made available to students.
>
> Following examination reforms have been successfully implemented**.**
>
> ➢ Work of examination section is fully computerized
> ➢ CCTV and Mobile Jammers in examinations hall has led to least number of malpractices.
> ➢ Flying squads visit examination hall regularly.
> ➢ Theory examination of all the courses of the constituent colleges are subjected to double valuation i.e. one external and one internal. Third valuation is carried out in case of variation beyond the accepted norms, as a standard practice. Four valuations for Post graduates. Three external Examiners are appointed for Ph.D thesis.
> ➢ Provision for re totaling if applied.
> ➢ Ten sets of questions papers set by examiners outside the state, verified and scrutinized.
> ➢ A novel method of unbiased choosing of question paper in University exams has been introduced. A student at random is called upon in the examination hall and asked to pick up one question paper out of the four sets of question papers. Sealed cover is opened in front of the students and the question paper in the particular cover is distributed.
>
> ➢ Separates dates and time for paper valuation by external and internal examiners.
> ➢ The integrated examination platform for Pre-examination, Examination process and Post Examination process is computerized and is directly under the supervision of Controller of Examinations (COE)

6.3.4 Research and Development

➢ The University has constituted research committee to monitor the research promotion, resource mobilization, research facilities and research publications. All the constituent colleges have research committee headed by senior professor, two heads of the departments and two faculty members as members of the committee. UG and PG students are nominated to this committee.

➢ **Medical college:** The research committee identified infertility and genetic diseases as thrust areas of research which has led to establishment of IVF research centre and Department of Cytogenetics. The reputed research scholars are appointed to head these centres. Allotting funds for research projects has increased the research activities and it also encouraged more number of faculties to take up research projects. The faculty is given incentives for scientific paper presentation in national and international conferences. It has increased number of research projects submitted for grants.Central research laboratory is extremely well equipped to enhance stem cell research in all the branches. Quality in research is ensured by laying guidelines for publications to be in specific indexed journals.

➢ **Dental college :** The committee had recommended to develop an information resource center , enhance training in research methodology and develop infra structure for research in histopathology ,as a result ;

Institutional information resource center has collection of international as well as national academic *research journals, both current and back volumes (starting from 2010).* Training in research methodology has been initiated for students and faculty which are organized during the August/September months of every academic year and is facilitated by external as well as in house resource persons. Students are motivated to take up short studies. A total of four CDEs and 18 IDM (Inter departmental meet) were conducted for the benefit of staff and students

Engineering college: The steps taken by the Research Committee has yielded positive results with funded projects approximately totaling Rupees 50 lakhs obtained from various funding agencies such as DST,DSIR,KPCB,KCTU etc., for the past four years (ie) after the committee formation. Publications by the faculty in National/International journals and conferences are improved. . The College has recognized research Centre for CV, CSE, EEE, ECE, MECH, PHY, CHY and MAT. College Encourages faculty to do research. 37 Members are awarded Ph.D. and 164 Members are pursuing their Ph.D. in various universities. . The Management supports the professional development of the faculty and encourages them to undertake research work and by motivating them to attend seminars, workshops, refresher courses and international & National Conferences by giving them necessary special leaves.

6.3.5 Library, ICT and physical infrastructure / instrumentation

> The constituent colleges have constituted library advisory committee. A senior professor heads the library advisory committee as chairperson. Few teachers and students are also members of this committee. The committee meets once in two months and comprehensively assesses the performance of library in 50 performance indicators. Library performance is also ascertained through library users' feedback from stakeholders

> Library as a Learning Resource, Our Central Library is well equipped with modern facilities including wi-fi technology and Closed Circuit Television System (CCTV). Open Access System is being followed in the Central Library. In addition to the well stocked Central Library, each department of our college has their own departmental Library to facilitate easy access to the faculty, students and research scholars. It is a five-storey Library building with the space for conducting group discussions, separate reading hall for Staff and Students, e-Library, Reference hall and Stacking Area etc. It is a semi air-conditioned modern Library Fully automated with bar-coded environment and also recently smart ID card system has been introduced.

> Library has computer work stations to provide online and Internet services to the faculty, research scholars, and students. The internet services are available during the working hours of the library: Medical College Library (9.00 a.m. to 8.00 p.m.),In addition to Internet/Online facilities in Library, desk top access in various departments and multi-user access at Central Computer Unit also have been setup.

> The institution ICT is supported by a Sr. System Analyst, two System Analysts and other staff responsible for the Campus Wide ICT requirement and security. All the systems, necessary for network and information security are in position. In fact, the Institution has already initiated action to establish its Datacenter, enhance network efficiency and ensure full network security using state-of-the-art UTM technology.

➢ *Physical facilities* **Sri Siddhartha Medical College**-Additional building like Demonstration Rooms, Library, Examination Hall, Seminar Hall, additional hostels and other works at a cost of over 100 crores,Cathlab, IVF Research Center and Dialysis Center investment on furniture's and equipments for Rs. 32 Crores. 30 % of the annual budget is spent towards infrastructure development. More than 24 thousand books, approximately 900 e- journals and Cds and Videos available to facilitate learning for students. Online Database Proquesta- Health and Medical is renewed annually in the month of January

➢ **Sri Siddhartha Institute of Technology**: A modern classroom complex and science department has been constructed at a cost of Rs. 13 crores ,2 New Ladies hostel has been constructed at cost of Rs. 4 crores. **Sri Siddhartha Dental College**-Face lifting of College building Rs. 3.00 Crores Equipments of the College: Rs. 3.00 Crores. The colleges provide facilities for working knowledge of computers, internet to students; and these facilities are argumentum from time to time such as increasing the speed of Wi-Fi, touch screen facilities, e-journals and availing membership for INFLIBNET and national knowledge network (NKN). . New phantom head laboratory for Preclinical operative dentistry and angulated flame controlled burner system in clinical and preclinical laboratory of Prosthodontics department. Within the campus, safety measures like speed breakers and sign boards have been placed. Recently started with one more unit of coffee shop in the campus for the convenience of the students and staff *Clinical learning resources* medical college hospital established in 1998 present in the same campus owned by the college. total number of beds 867, speciality services 10, super speciality services 4, number of beds- ICU=7, ICCU=7, BURNS ICU=10, SICU= 5, PICU=8, NICU=7.operantions theatre 11, Number of diagnostic service departments- Biochemistry, Pathology, Microbiology, and Radiology department. the service are landurey, kitchen, CSSD,back up power supply, AC plant, many fold room, pharmacy services, blood bank services including cell separator, Ambulance services, hospital pharmacy. Pharmacovigilance – ,Mortuary, cold storage facility –the teaching hospital display the services provided free of cost , Complaint boxes and redressal cell is formed.

6.3.6 Human Resource Management

> The university co-ordinates with constituent colleges and takes care of performance based appraisal.

> Various committees such as women empowerment, behavioural cell committee, feedback committee, alumni association & parent teacher associations take care of the human resource management.

> Follows the process of assessing sufficient human resource requirements, staff recruiting, monitoring and planning professional development programmes for personality development. Faculty training takes place periodically.

6.3.7 Faculty and Staff recruitment

> The university has laid down norms for the recruitment of teaching and non teaching staff as per the norms of the statutory bodies. The recruitment is by open advertisement and the selection is by the selection committee constituted based on the university bye-laws and UGC guidelines.

> The recruited faculties are assessed annually by self appraisal method and peer evaluation and student feedback the analysis of which gives way for further enhancement and up gradation of their skills and knowledge. The university also encourages faculty participation in continuing education programmes as well as various national and international training programs, workshops and conferences. Skill development programs are mandatory for the non-teaching faculty of the university

> The norms laid by the university as per the statutory bodies are followed for the recruitment of the teaching and non-teaching staff in the college.

> The requirement in the department is presented by the HOD to the Principal .Advertisement is given in the leading newspapers and the seeking candidates are interviewed by the Principal and the expert panel and then recruited.

6.3.8 Industry Interaction / Collaboration

> Industry Interaction: - The institution conducts various camps such as surgical screening camps, school screening camps and camps for various employees of the surrounding industries. The medicines and drugs are provided free of charge during such camps Internationalization-the university desires to involve the participation and collaboration with other international universities. The institution-industry interactions resulted in the establishment of genetic lab, Cath lab and IVF centre.

> MOU with TCS, Infosys, Vi Microsystems, Kamath transformers, DbSons' , Integrated Electric Company.

> Students are provided with industry exposure by arranging industrial visits & also encouraged to carry out projects in the industry.

> The College has recognized research Centre for CV, CSE, EEE, ECE, MECH, PHY, CHY and MAT.

> College Encourages faculty to do research. 37 Members are awarded Ph.D. and 164 Members are pursuing their Ph.D. in various universities.

> The Management supports the professional development of the faculty and encourages them to undertake research work and by motivating them to attend seminars, workshops, refresher courses and international & National Conferences by giving them necessary special leaves.

> The institution has research facilities, and labs recommended and recognized by Medical Council of India. Apart from these, Integrated Counselling and Testing Centre is established under National AIDS Control Organization. The institution also made genetic lab, IVF centre, and Cath lab available for use by researchers from other institutions.

> The consultancy services are provided in following categories.

> Clinical trials

> Screening of diseases/Survey and clinical studies regarding health related problem for agencies

> Training of health care providers in government and private sector through workshops

> Health awareness programs to benefit the society

> Providing expertise for implementation of various National Health Programs related to leprosy, STDs/HIV, tuberculosis, blindness, polio etc

6.3.9 Admission of Students

- ➢ The university has established admission process and is widely publicized in prospectus, website, students handbook and through other appropriate advertising media. The necessary admission process eligibility conditions, category wise seat allotments and other admission needs are made available on the university website. The student admissions of the constituent colleges is reviewed over the period for category wise enrollment to create necessary facilities for the needed category of students. The university follows the admission policy of regulatory authorities and government guidelines at time to time, implements all reservation policy.
- ➢ Admission of the students is done through All India Counselling through NEET. Transparency is ensured from the stage of notification till the completion of admission process.
- ➢ The admissions of the students are strictly followed as per rules and regulations based on the Govt. and SSAHE rules.

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

- ➢ The staff are extended health benefits at the Sri Siddhartha hospital (SSMC) at no or subsidized costs.
- ➢ The staff children extended benefits of the concession wherever applicable
- ➢ 2 - 4 months maternity leave to female employees
- ➢ Facility for spiritual development, yoga and meditation at SAHE campus.
- ➢ Housing society for employees
- ➢ So far nearly 80% of the staff and family availed from the various schemes.
- ➢ Teaching and nonteaching staff are extended welfare benefits of contributory provident fund, gratuity, ESI and other insurance scheme as be applicable in accordance with law.
- ➢ Subsidized treatment for all teaching and non teaching staff and their dependants under the aegis of Sri Siddhartha Education Society in medical and dental colleges
- ➢ Quarters facility in the campus for teaching and support staff
- ➢ Teaching and non teaching staffs are enrolled under Pradhanmantri Jeevan Bheema and Surasha Bheema Yojana. Premiums for the respective years are refunded by cash.
- ➢ Transport facility for teaching and non teaching staff at nominal fees.
  Wards of teaching and non teaching staff are given priority and subsidized education under the aegis of Sri Siddhartha Education Society in all schools and colleges. Apart from afore mentioned welfare schemes the teaching and non teaching staff are provided with recreational/ sports facilities / spiritual support in the institution
- ➢ A separate women welfare committee has been formed to monitor the safety of the women, staff and students.
- ➢ Student welfare measures such as scholarships, insurance is provided in all the colleges.

6.5 Total corpus fund generated: | 5.00 Cr. |

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	Yes	NBA/TEQIP BOS & BOE meetings will be conducted by inviting eminent persons from other Institutions and Industries	Yes	i)An academic audit committee has been constituted by the Principal of the College to review the academic process of the all the programs ii) The audit committee members are nominated from the various departments of our college iii) The audit committee will conduct academic audit periodically with prior intimation to assess the academic process and submit the report to the Principal
Administrative	Yes	By Chartered Accountant appointed by Society	Yes	Principal & IQAC cell By Accounts officer of the Institute

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

For UG Programmes   Yes   ✓

For PG Programmes   Yes   ✓

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

> - All the constituent colleges of the University have separate Board of Studies. These Boards of studies meet biannually to discuss examination reforms.
>
> - Independently, the constituent colleges are conducting entrance examination, admission, conducting examination & declaring results.
>
> - Bar Coding, Double Valuation, Summer Semester, Photocopy, Challenge Valuation
>
> - Central internal assessment evaluation is planning to be implemented in the coming year. Introduction of OSCE / OSPE , structured examination formats at the initial levels of undergraduate exams. Ensuring transparency and security in the exams by well equipped examination hall with gadgets. Academic calendar is put at beginning of the academic year so as to ensure prior intimation to the students.

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

> - The heads of the constituent colleges have academic and administrative autonomy for smooth functioning of the system.
> - The communication and decision making channel is made decentralized. The constituent colleges have constituted internal quality assurance cell headed by the principal of the college. Different committees are constituted under IQAC to monitor academic, administrative, human resource and examination activities at the constituent level. The administration is decentralized and participative management is visible.
> - The university provides academic autonomy to all the departments. The departments have accountability to provide curriculum of relevance and global competence to the learner. To achieve this academic autonomy and empowerment is given to departments. The departments through the board of studies fulfill their accountability.

6.11 Activities and support from the Alumni Association

- ➢ The colleges have registered alumni association ,meetings are regularly arranged.
- ➢ It has been functioning and meeting regularly. Few members of the alumni are also part of teaching staff. Regular feedback will be provided by the aluminous in terms of administration, student welfare and faculty recreational activities, Along with guidance for the recent passed out students in terms of practice management.
- ➢ Students alumni external experts are represented in committees of the internal quality assurance cell.
- ➢ Alumni feedback and are considered during curriculum redesign.
- ➢ Board of studies while reviewing considers the feedback analysis received from alumni.
- ➢ Through our alumni's, our students are placed in MNC Companies
- ➢ The Alumni Meet is fixed on 2nd Sunday of December every year which provides a platform to the students t o come in contact with their seniors who are working in different places. This interaction will help the students to prepare themselves as per demand in the job market.
- ➢ Alumni working abroad are invited for a face-to-face meeting with the students.

  This will give a feel of the global market demands and steps are taken to make

  students aware of the need to develop themselves.

6.12 Activities and support from the Parent – Teacher Association

- ➢ Parents are important stakeholders.
- ➢ **SIS (Student Information System):** This system helps, Parents to view the academic details of the student.
- ➢ Parent -teachers meeting is conducted every year to keep the parents updated about their wards performance and also to discuss about the area of weakness.
- ➢ Students with poor performance in academics and shortage of attendance status will be immediately reported to the parents through principal.
- ➢ Irregularity of the student is notified to the parents immediately through e-mails, phone and post.
- ➢ Informing the parents about any abnormal/untoward behavior of the wards immediately.
- ➢ Parents are informed about the pre evaluation, evaluation and post evaluation processes during the induction programs,
- ➢ Parent's suggestions are also considered in community orientation.
- ➢ Parents appreciated regarding the mentors system. Encouragement and interest shown by them regarding their ward's academic status either by calling or mailing the mentor or principal is the biggest success.

6.13 Development programmes for support staff

> Support staff are extended welfare benefits of contributory provident fund, gratuity, ESI and other insurance scheme as may be applicable in accordance with law.
> Subsidized treatment for all support staff and their dependants under the aegis of Sri Siddhartha Education Society in medical and dental colleges
> Quarters facility in the campus for support staff
> Support staff are enrolled under Pradhanmantri Jeevan Bheema and Surasha Bheema Yojana. Premiums for the respective years are refunded by cash.
> Transport facility for support staff at nominal fees.

> Wards of Support staff are given priority and subsidized education under the aegis of Sri Siddhartha Education Society in all schools and colleges.
> Conducts regular communication skills and soft skills up gradation for the supportive staff. Guest lecturers communication , skills workshop are conducted by the institution
> Hepatitis screening and vaccination program are periodically done to reinforce the same among both support staff.
> Apart from afore mentioned welfare schemes support staff are provided with recreational/ sports facilities / spiritual support in the institution.
> Programmes on; Yoga, Development of soft skills, Awareness programmes for handling of biomedical waste.

> Supporting staffs will be deputed to attend workshops both In-house and Outside to enhance their skills as on when required as per IDP.

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

- ➢ Sign boards are placed at strategic points to encourage students and staffs to turn off the lights, fans, Ac's and computer terminals when not in use.
- ➢ Car pooling by the staffs. Buses run by institute for staff, students and patients.
- ➢ Staffs and students are encouraged not to use vehicles within the campus.
- ➢ Encouraging students and staffs to use bicycles and electric vehicles in campus.

- ➢ The emphasis on recycling water is done in the institution.
- ➢ Regular awareness campaigns.
- ➢ Planned power shutdown in hostels during periods of low occupancy.
- ➢ Phasing out of incandescent lamps and partial phasing out tube lights in favor of CFLs or LED bulbs.
- ➢ Water filtration plant for consumption.

Plantation
- ➢ To motivate and encourage the students, the university came up with the idea of green revolution wherein each new student has to plant a sapling and takes care of the same till he/she graduates.

Hazardous waste management
- ➢ The disposal of bio waste and hazardous waste material from the departments is stored in specific color coded bags and then disposed through certified agency. That disposal process is carried out by the bio medical waste certified agency.

E waste management
- ➢ The low configuration computers that are in excellent working condition are donated to the schools run by our society (SSES).

Minimal usage of papers
- ➢ Emphasis on paper less governance. By encouraging the usage of recycled papers.

Smoke free and junk food free campus

Energy conservation Energy conserving lights like CFL, LED are used in the campus.

Use of renewable energy - Has a solar based Lighting System in the campus

Water harvesting - Rain-water harvesting project is functioning

Efforts for Carbon neutrality - 98% of CRT Monitors are changed into LCD Monitors.
- ➢ A fully functional Sewage treatment plant which treats the entire waste water and is being used   to maintain greenery.

- ➢ The bi-products of the estate is used to produce manure using Vermin composed technique in house.

Criterion – VII

7. Innovations and Best Practices

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

> - Virtual class would enhance better learning for the learners and minimize size of the class.
> - Fellowship programs for the in-house faculties like FAIMER and Fellowship in Medical Education FIME (MCI Recognized) are undertaken on periodic basis for updating the continuum of learning.
> - MEDEX is conducted to create public awareness regarding health and diseases. It provides a platform to innovatively present their ideas like crime scene investigation, Epilepsy Role Play.
> - Clinical practice-started Regeneration medicine using embryonic stem cell.
> - Research in embryology.
> - Yoga classes for pregnant women and Medical students have been initiated.
> - **e- Governance** i.e. the circulars and notices are mailed so it is paper less.
> - **Public Private Partnership: RNTCP, ICTC,** Program for Motivation of body donation
> - **SIS (Student Information System)**
> - **Solar water heater**
> - **Solar Lights**
> - **Biometric Attendance system**
> - **Personality Development Programs**
> - **Faculty Development Programs**
> - **MoU Signed with industries**
> - **Sponsored Projects:** Socially relevant Projects are sanctioned by KSCST, SSES
> - **Use of Sophisticated equipment** All labs are updated with latest equipment purchased every year for the development of the academics and infrastructure.
> - G-Medic (Gangadharaiah Memorial Entrepreneur ship development & incubation centre)
> - STEP (Science & Technology Entrepreneurs Park) Activities
> - TechnoPreneur promotion programme (TEPP)
> - Vocational Training Programmes.
> - State level Project Exhibition Every Year
> - IEEE student Chapter
> - Solar based water pumping using BLDC motor
> - Hybrid power generation system
> - Solar powered auto irrigation with smart fencing system
> - IOT based smart agricultural automation system

> - **Dental Treatment facilities for special group children**
> - **Danta Bhagya yojane at SSDC.**
> - Student Identity Badges with **QR coding** (Quick Response coding) for Undergraduate and Postgraduate students have been introduced, which is found to be informative as well as student and staff friendly. . The information procured will be as follows-**Blood groups**, **Aadhar number Local residential address**, **Information regarding their parents/ Mentor's name**
>
> - Introduction of MCQs for 1st MBBS students. Chart making competition in sterilization techniques by Microbiology department for undergraduates. . Revised basic course workshop (Competency based) for the faculties has been conducted. Paperless e-communication by Dept. of Medical Education. Green Graduation on Environment Day observed on 5th June

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

1. To strengthen infrastructure facility in the hospital

   - Cath-Lab & Dialysis units were introduced and are functional.

2. To improve and strengthen the MoUs signed with Organisations

   - MoU with Uganda & Malaysian Universities.

3. To strengthen infrastructure facilities, laboratories are partially established to carry out the research activities

   - Started Internet of things (IoT) laboratory in collaboration with Intel associates.

   - Started partial discharge laboratory in high voltage laboratory.

4.   To strengthen infrastructure facilities, laboratories are partially established to carry out the research activities.
   - To start Internet of Things (IoT) laboratory in collaboration with intel associates.

   - To start partial discharge laboratory in high voltage laboratory

   - To start partial discharge measurement lab

   - To start organic Chemistry Research lab

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

Medical College

➢ Basic course Workshop in Medical Education Technology

➢ Research methodology workshop.

Dental college

➢ Students mentoring system.

➢ Dissertation review system.

Engineering college

➢ Siddhartha Community Radio – FM 90.8
➢ Free Education to Top two meritorious students of each branch of Bachelor of
➢ Engineering (18) and Fellowships to M.Tech Students (42 Fellows Every year)

➢ Special Coaching (10 days) to first year B.E students
➢ Admissions for the wards of staff at subsidized fees
➢ Bringing Labs to the class room
➢ "Talents of Tumkur"- A cultural competition by students of SSIT, Tumkur.
➢ Dr. H M Gangadharaiah memorial drawing competition for school children of Tumkur is being conducted every year in the month of December.

➢ Alumni Meet – Second Sunday of Dec Every Year.

Swachh Bharath initiative was organized in the campus.
- ➢ Our institution always loves to promote, advocate and motivate its faculty and students towards the preservation of the nature. The university takes a number of measures to educate and motivate the students and faculty to maintain a green campus.
- ➢ The university and the constituent units are situated in 170 acres of lush green, eco friendly campus. The university makes an effort to maintain and increase the greenery thereby maintaining the campus

Plantation
- ➢ To motivate and encourage the students, the university came up with the idea of green revolution wherein each new student has to plant a sapling and takes care of the same till he/she graduates.
- ➢ This is done by celebrating the environmental day. It was initiated in the year 2014, where both the students and staffs (teaching & non teaching) enthusiastically took part in the programme.
- ➢ On this day each person plants a sapling and takes the charge of it till he/she stays in the institute.
- ➢ This has improved eco- consciousness, energy conservation and has led to energy efficient measures.
- ➢ 1200 saplings are planted in and around the college campus.

Water harvesting
- ➢ Rain-water harvesting project is functioning in the college. Waste water in the institution has been recycled and used for gardening.

Connecting People To Nature

- ➢ There was a Guest lecture by the chief guest Dr Sashi Shekar, followed by prize distribution for the students who won the painting competition which was held on 2nd June on the theme **"CONNECTING PEOPLE TO NATURE".** There was plantation of the tree saplings by the guest speaker, Principal, UG students, PG students, teaching and non-teaching staff. A total of 21 tree saplings were planted around the college premises

1. Green Audit

- Roof top rain water harvesting system – 1 lakhs liters

- Solar hot water system – Boys hostel – 20,000 liters capacity

   Girls Hostel – 10,000 liters capacity

- LED lightening system - 50 points

- Sewage treatment plant – 60,000 liters per day

- Green area (Trees, Bushes, Forestry, Hedges) – 15 Acre

2. Non smoking campus

3. Work shops on "Awareness on Environmental Consciousness"

4. Swatch campus Andolan

5. Celebration of vanamahotsava by planting forest trees

6. Entire sewage treated water(STP) is used for plantation of about 15 acres

7. Campus green waste is converted into Biomanure by vermin compost method.

Innovations

1. Coconut tree climber

2. Design & fabrication of Eco-friendly areca nut collecting and baggingagri machine

3. Design & fabrication of punch cum splitter for tender coconut

4. Development of oil separator for Industrial Liquid Waste

5. Design and fabrication of Coconut leaves shredding machine

6. Design and fabrication of new generation filter unit for cyclone separator in rice mills.

7.5 Whether environmental audit was conducted?   Yes   ✓

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

- ➢ Design and implementation of NLP tools for Kannada Languages

- ➢ Study & design of land fill site hazardous waste management , Dobbspet

- ➢ Case study on Bajaguru making tank bund & its remediation

8. **Plans of institution for next year**

> Academic: Motivating Post graduates for research activity presentation and publication, under graduates for state and national level participation in academic activities.

> Administrative: planning for paper less patient records.

> Social: Patient awareness program for prevention of oral disease.

> Starting innovative and interdisciplinary faculty development programmes in the Life Sciences.

> Foundation programme has been introduced for the 1st year Medical students like early clinical exposure to Medical students.

> Up gradation of laboratories in Medical College

> Inaugration of New University building

> Online feedback will be introduced

> Staring innovative & interdisciplinary faculty development programmes in the life sciences.

> Up graduation of laboratories

> Online feedback systems will be introduced.

> Full fledged partial discharge High voltage engineering lab

> DST R & D proposal for design and fabrication of flexible valve actuation system of IC engine for improved performance.

> Free education to three meritorious students in each branch Of BE and fellow ship to all M.Tech Students.

> Solar lighting for entire campus

> Introduction of new branches

Name: Dr. GIRISH BABU.R.J   Name: Dr. P. BALAKRISHNA SHETTY

       Sd/-   **Sd/-**

_____   _____

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

_____***_____

Annexure I

Abbreviations:

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

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