

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-18

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 2017-18

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-----------------------|-------|------|-----------------------|-----------------|
| 1 | 1 st 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

2017-18

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

i. AQAR : **10.04.2017**

ii. AQAR: **28.09.2017**

iii. AQAR _____ - _____ (DD/MM/YYYY)

iv. AQAR _____ - _____ (DD/MM/YYYY)

1.10 Institutional Status

University

State

☐

Central

☐

Deemed

☒☐

Private

Affiliated College

Yes

☐

No

☒

Constituent College

Yes

☒

No

☐

Autonomous college of UGC

Yes

☐

No

☒

Regulatory Agency approved Institution Yes ☒ No ☐

(AICTE, MCI, DCI): ☒

Type of Institution Co-education ☒ Men ☐ Women ☐
Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☐ UGC 12B ☐

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

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☒ Management ☐

Others (Specify)

1.12 Name of the Affiliating University

SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other

UGC-COP Programmes

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 02 Students 01 Alumni 01 Students |
| 2.12 Has IQAC received any funding from UGC during the year? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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. | 490 |
| International | 00 |
| National | 00 |
| State | 02 |
| Institution Level | 488 |
| (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 of the university has conducted various programmes for the overall development of the university. Competency based medical education, Research methodology workshop, Orientation to UGs, Intern, PGs, breastfeeding week, anti-rabies day, Ovarian cancer awareness, Deafness awareness and Asthma awareness ,CMEs of various departments were conducted to enhance the academic standards. Medex, sports and cultural activities' and swatch bharaath and other national important days were observed in the institution.
- IQAC has conducted workshops, Conferences and Faculty Development Programs.
- IQAC has observed "Environment Day" and "Yoga Day" apart from regular techno-medical campaign.
- Personality Development Programs for the students were conducted.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

| Plan of Action | Achievements |
|---|--|
| <ul style="list-style-type: none">Planned Simulation LabTraining programmes for teachers in the form of revised basic course MET workshops- Competency and AETCOM-Attitude ethics and communication-To improvise soft skills.Problem based LearningPlanned Awareness program on Child trafficking and adoption norms for all gynaecologists in Tumkur district.Planned an Awareness program on POSCO- PROTECTION OF CHILDREN FROM SEXUAL OFFENCES ACTPlanned Cancer detection and awareness program-PAP Smear screening camp for health care workers of Tumkur districtPlanned Genetic diseases Awareness Program | <ul style="list-style-type: none">IVF Centre,Molecular Cytogenetics |

| | |
|--|---|
| <p>UG Program</p> <ul style="list-style-type: none"> • Revised Structure and scheme for second year has been proposed. • Self-study component to be improved • Question paper pattern to be revised for second year. • English language course to be given Credit. • Workshop to be conducted on Aptitude & Technical Training for pre-final and final year students. • Orientation program for first year students to be conducted <p>M Tech. Program</p> <ul style="list-style-type: none"> • Change in structure and syllabus • Introduction of laboratories • Summer Semester (Crash) for failed students | <p>UG Program</p> <ul style="list-style-type: none"> • Revised Structure and scheme for second year has been implemented. • Self-study component has been improved • Question paper pattern has been revised for second year. • English language course has been given Credit. • Workshop to has been conducted on Aptitude & Technical Training for pre-final and final year students in the following schedule: 3-4, September 2017 4-5, November 2017 26-28, March 2018 : • Orientation program for first year students has been conducted during 11-13, August 2017. <p>M Tech. Program</p> <ul style="list-style-type: none"> • Change in structure and syllabus has been implemented. • Introduced Laboratories • Summer Semester (Crash) for failed students has been implemented |
|--|---|

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 | 30 | - | 07 | 27 |
| UG | 12 | - | 01 | 07 |
| PG Diploma | 07 | - | - | - |
| Advanced Diploma | - | - | - | - |
| Diploma | - | - | - | - |
| Certificate | - | - | - | - |
| Others | - | - | - | - |
| Total | 58 | - | 08 | 34 |

| | | | | |
|-------------------|---|----|----|----|
| Interdisciplinary | - | - | 20 | 20 |
| Innovative | - | 10 | 10 | 10 |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option: No

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|-----------|----------------------|
| Semester | 17 |
| Trimester | - |
| Annual | 19 |

1.3 Feedback from stakeholders*

(On all aspects)

Alumni ☒ Parents ☒ Employers ☒ Students ☒

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 Scheme of Teaching and Examination has been incorporated for UG programs as per the guidelines of AICTE-New Delhi, for the academic year 2018-19. The College Curriculum Development Cell (CDC) cell is active and proposed Scheme of Teaching and Examination for reducing the credits from 200 to 170 credits, as per AICTE guidelines. One day workshop on “**Review of Curriculum**” was conducted on 28.4.2018 at SSIT-Tumakuru campus for all the staff members. Academic experts from IIT have reviewed our proposed New Scheme of Teaching and Examinations for Choice Based Credit System (CBCS) for UG programs and appreciated to incorporate the new syllabus as per AICTE guidelines. For PG programs, New Syllabus 2017-18 was approved and incorporated.
- Supplementary examination within two months after the final examination is introduced to the MBBS students from 2017-18 batch onwards.
- For MDS students university examination at the end of first year is introduced for basic papers.

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

- Cardiology, Nephrology, Neurology and Paediatric surgery.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

| Total | Assistant Professors | Associate Professors | Professors | Others |
|-------|----------------------|----------------------|------------|--------|
| 423 | 185 | 71 | 110 | 59 |

2.2 No. of permanent faculty with Ph.D.

| |
|----|
| 48 |
|----|

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 |
| 08 | 10 | - | 02 | 06 | - | - | - | 14 | 12 |

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 | 58 | 38 | 278 |
| Presented papers | 54 | 41 | 60 |
| Resource Persons | 03 | 23 | 69 |

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

Medical College:

- **For undergraduates:** Foundation course, Early clinical exposure, Clinical orientation for 3rd term, Problem based learning, small group teaching, OSPE & OSCE, MCQ Tests, Vertical integration, interdepartmental seminars, community health awareness programmes
- **For postgraduates:** Problem based learning, Case based learning and skills lab.

Dental College:

- Introduction of Undergraduate students to Endo microscope
- Phantom head Radiology Training
- Problem based learning

Engineering College:

- Self Study
- Case Studies
- Implant Training
- Outcome Based Education
- 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
- | | | |
|-----|-----|----|
| 124 | 177 | 13 |
|-----|-----|----|
- 2.10 Average percentage of attendance of students 82

2.11 Course/Programme wise distribution of pass percentage:

| Title of the Programme | Total no. of students appeared | Division % | | | | |
|------------------------|--------------------------------|-------------|------------|---------------|------------|-------|
| | | Distinction | I | II | III | Pass |
| MBBS | 845 | 70(8.3) | 154(18) | 172(20) | 129(15) | 62.10 |
| MD/MS/PG-DIPLOMA | 48 | - | - | 43 | - | 90 |
| BDS | 186 | 04 (3.0) | 20 (15) | 55 (42.15) | 61 (39) | 140 |
| MDS | 12 | - | 01 | 11 | - | 12 |
| SSIT | 2433 | 723 (29.7) | 801(32.9) | 909 (37.4) | - | - |
| M.Tech. | 52 | 36 (69.2) | 14(27) | 02 (3.8) | - | - |

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 | 9 |
| UGC – Faculty Improvement Programme | - |
| HRD programmes | 152 |
| Orientation programmes | 89 |
| Faculty exchange programme | - |
| Staff training conducted by the university | 41 |
| Staff training conducted by other institutions | 16 |
| Summer / Winter schools, Workshops, etc. | 199 |
| Others (Yoga) | 44 |

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 to create research culture. (STS)
- 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 | 25 | 56 | 26 | 21 |
| Outlay in Rs. Lakhs | 31.45 | 100.09 | 49.63 | 25.0 |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 15 | 49 | 10 | 10 |
| Outlay in Rs. Lakhs | 0.75 | 2.5 | 0.5 | 0.5 |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 144 | 70 | 13 |
| Non-Peer Review Journals | - | 30 | - |
| e-Journals | 4 | 02 | - |
| Conference proceedings | 27 | 188 | - |

3.5 Details on Impact factor of publications:

Range 0.81 – 5.68 Average 2.7 h-index 39.66 Nos. in SCOPUS 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 | 02 | KCTU | 58.08 Lakhs | 18.08 Lakhs |
| Minor Projects | 03 | KCTU | 42.01 Lakhs | 31.55 Lakhs |
| Interdisciplinary Projects | - | - | - | - |
| Industry sponsored | - | - | - | - |
| Projects sponsored by the University/ College | | - | - | - |
| Students research projects (other than compulsory by the University) | 01 | KSCST | 0.4 Lakhs | 0.4 Lakhs |
| Any other(Specify) | - | - | - | - |
| Total | 06 | - | 100.49 Lakhs | 50.03 Lakhs |

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

3.8 No. of University Departments receiving funds from

UGC-SAP DST-FIST
 DPE DBT Scheme/funds

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|----------|-------|------------|---------|
| Number | 1 | 1 | - | - | 01 |
| Sponsoring agencies | SSIT | SSIT | - | - | SSIT |

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
 Total

3.16 No. of patents received this year

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

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

| Total | International | National | State | University | Dist | College |
|-------|---------------|----------|-------|------------|------|---------|
| 03 | - | 02 | 01 | - | - | - |

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

and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level State level

National level International level

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other

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

- Electrical and Electronics, Computer peripherals awareness programme at Rural Government High Schools
 - Computer Education at Rural Government Higher Primary Schools
 - Visit to the orphanage and old age homes
 - Swachcha Bharat Abhiyaan in villages
 - Using of LED lights
 - Technology Barrier Reduction Programme for Govt. High School students of Tumkur District
- * **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.
- * **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) | 252 | 12 | College | 264 |
| Others | 48 | 8 | College | 56 |

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.
- Wi Fi 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 | 96 | 0.0020 Cr | 110468 | 4.2420 Cr |
| Reference Books | 13257 | 0.20 Cr | 10 | 0.002 Cr | 13267 | 0.202 Cr |
| e-Books | 125256 | UGC/INFONE T membership 0.017 Cr | 845 | 0.0015 Cr | 126101 | 0.017 Cr |
| Journals | 1179 | 3.91 | 5 | 0.0018 Cr | 829 | 3.91118 |
| e-Journals | 7426 | UGC/INFONE T membership 0.23 Cr | - | - | 7426 | 0.23 Cr |
| Digital Database | 05 | 0.04 Cr | - | - | 5 | 0.040 Cr |
| CD & Video | 808 | 0.0049Cr | - | - | 808 | 0.0049 Cr |
| Others (specify) | - | - | - | - | - | - |

4.4 Technology up gradation (overall)

| | Total Computer | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments |
|----------|----------------|---------------|-----------------|------------------|------------------|--------|-------------|
| Existing | 990 | 23 | Wi Fi (60 mbps) | Wi Fi (02) | 02 | 07 | 32 |
| Added | - | - | - | - | - | - | - |
| Total | 990 | 23 | Wi Fi (60 mbps) | Wi Fi (02) | 02 | 07 | 32 |

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 | 7 |
| ii) Campus Infrastructure and facilities | 245 |
| iii) Equipments | 70 |
| iv) Others | 15 |
| Total: | 337 |

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.
- IQAC monitors all the UG& PG, Clinical orientation programmes through which it builds skills in the field of knowledge, psychomotor and affective domains
- 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.
- T & P Cell organizes special lectures, workshops, related to soft skills, PDP, Preparing for the job market by learning employability skills.
- Students are provided with Handbook cum work planner.
- Student Internship is provided in collaboration with Industry.
- Yoga class on relaxation and meditation.
- Special classes for PG entrance examination.
- NSS/NCC activities.
 - 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 & interdepartmental 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 |
|------|-----|--------|--------|
| 2754 | 225 | 66 | - |

(b) No. of students outside the state

569

(c) No. of international students

44

| No | % |
|----|----|
| 30 | 68 |

Men

| No | % |
|----|----|
| 14 | 32 |

Women

| Last Year | | | | | | This Year | | | | | |
|-----------|-----|-----|------|-----------------------|-------|-----------|-----|-----|------|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 1440 | 181 | 106 | 1226 | 03 | 2956 | 1388 | 195 | 107 | 1264 | 02 | 2956 |

Demand ratio

1:3

Dropout %

1

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

355

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|----|-----------|----|------|----|--------|----|
| NET | 08 | SET/SLET | 10 | GATE | 25 | CAT | 03 |
| IAS/IPS etc | 02 | State PSC | 05 | PSC | 03 | Others | 03 |

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.
- Assistance from external agencies like Unnathi Foundation and guest lectures by renowned persons like Dr. Kesarker was also obtained in training the students in stress management techniques under the Psychiatry department in the institution problems
- 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 2336

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 | 561 | 146 | 91 |

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.
- Recent updates regarding PCPNDT act, to enact to reduction of female feticide and to arrest the sex ratio.
- 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.
- 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 National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

| | Number of students | Amount (In Lakhs) |
|--|--------------------|-------------------|
| Financial support from institution | 24 | 12.12 |
| Financial support from government | 1617 | 444.8 |
| Financial support from other sources | - | - |
| Number of students who received International/ National recognitions | 06 | 3.5 |

5.11 Student organised / initiatives

Fairs: State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- * Exam related (Eligibility) and reduction of course registration fee.
- * Water Problem, Cleanliness and maintenance of the hostel.
- * Improvement in canteen facilities.
- * Enhancement and improvement of WI FI 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.
- To carve technically competent, confident and socially responsible engineers.
- To achieve excellence in science and art of dentistry through education, research and service.

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.
- The constituent colleges have board of studies, in all the departments. The external members each from industry or community and another, a reputed faculty of other University provide valuable inputs for curriculum design.
- The board of studies while designing the curriculum reviews local, national, regional and global community developmental needs. Employability, overall development and entrepreneurship are considered in curriculum redesign.
- 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-men tee 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 post graduate teaching is regularly monitored through log books, regular dissertation reviews, teaching records maintenance. Compulsory research and publication for each post-graduate with attendance and paper presentation at state or national conference is made mandatory.
- 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 counsellors (20:1) and based on their performance the students are trained and to participate in workshops, seminars and paper presentations.
- TWO BATCHES-Students are divided into two batches to enhance learning and to pay more individual attention
- 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 student.
- 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 are 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 Retotaling, 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.
- Separate 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. Seed money has been allocated for research which is given to the principle investigator. The research committee identifies the areas of research thrust and promotes research in those direction Research and publication based promotion makes research mandatory for all the staff. Research and publication is made compulsory for all postgraduates, thus inculcating research sensitization in all students.
- **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 centers. 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 . 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. 42 Members are awarded Ph.D. and 121 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.

- **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 Proquest- Health and Medical is renewed annually in the month of January. 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. 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. operations theatre 11, Number of diagnostic service departments- Biochemistry, Pathology, Microbiology, and Radiology department. the service are laundry, 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.
- **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. An excess of more than 3000 online journals including IEEE. Institution has got full fledged library with, i) An excess of more than 3000 online journals including IEEE ii) Around 90,000 volumes of books.. All the departments are having well equipped labs. One class room in each department is furnished with LCD projectors, OHP, Audio and visual facilities for class rooms, Wi-Fi throughout the campus. Within the campus, safety measures like speed breakers and sign boards have been placed.
- **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..

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. 42 Members are awarded Ph.D. and 121 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.
- Phd entrance examination is as per revised UGC guidelines biannually.

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 declare 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.
- 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
- 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.
- MCQs and two markers is introduced for objectivity.
- Fast track examination has been introduced to so as to conduct the supplementary examination with in four weeks of regular examination which enables the students to be a part of regular batch.
- Run the Summer Semester for the students who have failed/dropped the subjects during their regular semesters

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.
- Provision for revising the syllabus each year by 20 percent with the approval of BOS.
- Elective subjects can be incorporated as per the industry requirements.

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 feedbacks 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 student's to 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.
- Counsellors will be in touch with the parents quite often to discuss the progress of the students.

6.13 Development programmes for support staff

- Support staffs are extended with 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.
- Regular awareness programmes are conducted for the supporting staff regarding Bio-medical waste disposal, radiation wastes and about various health Hazards.
- Also the office and clerical staff are regularly provided with software training and up gradation programmes.

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.
- World Environmental Day was celebrated on 05/06/2018 by organising a talk on Protection of our environment from the hazards of plastic use

Hazardous waste management

- The campus is extremely eco friendly and the proper methods of biomedical waste segregation and disposal is practiced
- 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 is 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 by-products of the estate are 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.

- 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.
- Chart making competition in sterilization techniques by Microbiology department for undergraduates.
- Revised basic course workshop (Competency based) for the faculties has been conducted
- 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, SSSES
- **Use of Sophisticated equipment:** All labs are updated with latest equipment purchased every year for the development of the academics and infrastructure.
- G-Medic (Gangadharraiah Memorial Entrepreneur ship development & incubation centre)
- STEP (Science & Technology Entrepreneurs Park) Activities
- Techno Preneur 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**
- Research training program for the first year post graduate students for the year 2017-18 batch was introduced which was informative and helpful for the students. In this program classes in research methodology were organized for the first year post graduate students. The program was conducted in the month of July 2017. 10 resource faculties were selected from the institution to train on 10 different topics associated with the research methodology as per schedule enclosed. Post graduate students learnt methods to conduct research in dentistry. The program also helped them to write their synopsis for dissertation work.
- Introduction of MCQs for 1st MBBS students.
- Fast track examination has been introduced to so as to conduct the supplementary examination with in four weeks of regular examination which enables the students to be a part of regular batch.

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

Medical College

Plan of action at the start of the year

1. To strengthen infrastructure facility in the college hospital
2. To improve and strengthen the MoUs signed with various organizations, industries
3. Plan to train health workers regarding cancer awareness and perform Pap smear for patients suspected with cervical cancer.

Action taken report

1. Cath-lab and dialysis units were introduced in the college and have started functioning thereby providing services to the rural population.
2. MOU with Uganda, CHG and Malaysian university
3. Faculty development programme had been organized by MEU
4. Timely referral of obstetric cases to higher centers for delivery so as to reduce maternal mortality rate.
5. ANMs are trained to do Pap smear for suspected cervical cancer patients and refer to higher center for treatment.

Dental College

- An idea to introduce research training program for first year post graduate students was initiated. Principal called for a staff meeting for ideas and suggestions. The suggestions given by staff members were considered and the ideas were implemented for the final design of the research training program. All the first year post graduate students were made to attend the program compulsorily

Engineering College

- 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

Medical College

1. Revised Basic course Workshop in Medical Education Technology

Objectives: To provide basic knowledge including professionalism, clinical skills, attitudes and communication skills to faculties in Medical Colleges which they can apply in day-to-day practice in different areas of teaching and assessment. Competencies have been created to implement competency based medical education.

Practice: In line with the directives from MCI, Revised Basic Course Workshops on Medical Education Technology have been conducted periodically every year. This was initially started as Training-of- trainers (TOT) which was later formatted to Workshop as prescribed by MCI. This Course is conducted for three days for the listed 30 participant medical teachers. These participants were grouped into 5 groups and those faculties who had undergone the training at the Nodal Centre were eligible for being resource persons for the event. This group approach was created mainly to foster active and robust discussion among participants which would lead to proper dissemination of the knowledge and better understanding. The three days programme has been subjected to evaluation by an MCI Observer who in turn observes the proceedings and evaluate and write a report to the regulatory body (MCI). Sensitization to attitude and communication module.(ATCOM MODULE.)

2. Research methodology workshop.

Objectives: The purpose of the research is to discover answers to questions using scientific procedures. The aim is to find out truth hidden and not yet been discovered.

Objectives of research are as follows:

- i. To achieve new insights into phenomenon or events
- ii. To bring out the characteristics of a particular individual, situation or a group
- iii. To determine the frequency with which some events occur or associated with something else
- iv. To test the hypothesis of a casual relationship between variables of interest concerned to different situations and individuals.

Practice: Every year, the concept of research is brought about through conduct of Research Methodology workshop. This event is scheduled in the initial months of the postgraduate student's entry into the course. It spans across three days wherein the student participants are oriented to the various steps in conducting research. This is coupled with hands-on training with use of simple data which acts as a trigger to initiate the sense of what is expected of them in research. After this workshop, periodic review meets are held to track the progress of the framing of the research protocol. To this event the faculty are invited to be a part of the programme. This done with the best interest to frame a proper well tuned proposal for the student to start with. Later this would help them to realize the importance of steps and critique in research so as to get a comprehensive understanding and thereby help them to publish scientific articles in the reputed journals.

Dental College

First best practice

Students mentoring system

This student/mentor system is aimed at improving student mentor relationship and thereby helping and encouraging the students to perform well academically. However, this challenge comes with lot of obstacles which makes this mentorship a challenge to accomplish.

The basic issues encountered among students were language barrier, fear of understanding the subject, fear of faculty/mere laziness.

This program makes it easier for the faculty to identify and concentrate on those students with issues and help them in overcoming them. These benefit the students academically & also prepare them for future endeavours. It also helps the faculty in improving their soft skills

Second best practice

Dissertation review system.

During formation of the dissertation committee at most care was taken to select faculties with greater research knowledge and orientation.

Greater challenge to the committee was to make the student understand the importance of research, topic selection and formulate aims and objective for the study. Greater stress was needed in making student understand how the end result will have impact on the day to day practice of respective field and its effect on the society.

At the beginning of academic year orientation program is organized to give basic idea of the course and research methodology. The committee meets three times a year to discuss various issues regarding progress of the ongoing dissertation work. Students are made aware regarding the deadline for dissertation submission and duly signed undertaking is obtained about the progress of their study at that particular time.

Engineering College

1. Siddhartha Community Radio – FM 90.8
2. 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)
3. Special Coaching (10 days) to first year B.E students
4. Admissions for the wards of staff at subsidized fees
5. Bringing Labs to the class room
6. “Talents of Tumkur”- A cultural competition by students of SSIT, Tumkur.
7. Dr. H M Gangadharaiah memorial drawing competition for school children of Tumkur is being conducted every year in the month of December.
8. Alumni Meet – Second Sunday of Dec Every Year.

7.4 Contribution to environmental awareness / protection

Swach 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 lush green, eco friendly campus. The university makes an effort to maintain and increase the greenery thereby maintaining the campus
-

Medical College: Swach Bharath initiative was organized in the campus.

Dental College:

- The Environment conscious committee, Sri Siddhartha Dental College, had organized program to celebrate World environment day on 5th June 2017 with the theme **“BEAT PLASTIC POLLUTION”** and also competition was organized for staff and students on **“NATURE PHOTOGRAPHY” AND “BEST OUT OF PLASTIC WASTE”**.
- There was a Guest lecture by the chief guest Dr.MANJUNATH K. R, followed by prize distribution for the students who won the **NATURE PHOTOGRAPHY AND BEST OUT OF PLASTIC WASTE** competition which was held on 2nd June on the theme **“BEAT PLASTIC POLLUTION”**. Guest lecture was followed by a skit by staff members to create awareness among general public as well as staff and students. Plantation of the tree saplings was done by guest speaker, Principal, UG students, PG students, teaching and non teaching staff. A total of 20 tree saplings were planted around the college premises.

Engineering College

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 bagging agri 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
- Strength: well-trained dedicated staff, good infrastructure and quality clinical material.
- Weakness-Time bound curriculum- lack of time.
- Opportunity: Integrating vertically and horizontally to minimize repetition
- Challenge: To implement new curriculum (competency based medical education)

8. Plans of institution for next year

- For the year 2018-19 University submitting the budget which projected various developmental activities and subsequent resources for the same year.
- Starting innovative and interdisciplinary faculty development programmes in the Life Sciences ie., Revised basic course in competency based medical education with AETCOM.
- Foundation programme has been introduced for the 1st year Medical students so that early clinical exposure will bridge the gap between basic sciences and clinicals.
- Up gradation of laboratories in Medical College
- Online feedback, attendance and internal assessment will be introduced.
- Incorporation of simulation in teaching curriculum.
- Focus on community orientation programme.
- Ice Stupa
- Studies On Reflection Cracking In Rigid Overlays
- Crash Detection Module
- Solar Electric Tricycle
- Pc Control Using Android Over Internet

- Roborio: A Smart Robotic Assistance With Multifeatures Including Artificial Intelligence
- Raspberry Pi And Image Processing Based Electronic Voting Machine
- Automated Grass and Seed Sowing Robot Using Bluetooth
- Patient Monitoring System Using Iot
- Green House Monitoring And Controlling System
- Productivity Improvement Of Plant Layout
- Design And Fabrication Of Automatic Window Glass Cleaning Machine
- Improvised Weed Removing Machine

Sd/

Name: Dr. GIRISH BABU.R.J

Signature of the Coordinator, IQAC

Sd/

Name: Dr. P. BALAKRISHNA SHETTY

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 |
