The Annual Quality Assurance Report (AQAR) of the IQAC
2017-2018

Submitted by
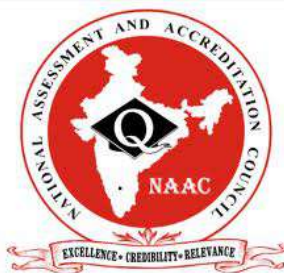
Internal Quality Assurance Cell [IQAC]

SNS COLLEGE OF TECHNOLOGY
Accredited by NAAC-UGC with 'A+' Grade
COIMBATORE-641 035, TAMIL NADU

Submitted to

National Assessment and Accreditation Council
An Autonomous Institute of the University Grants Commission
P. O. Box No. 1075, Nagarbhavi, Bangalore - 560 072
Karnataka, INDIA

Table of Contents

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-2018

1. Details of the Institution

1.1 Name of the Institution

SNS COLLEGE OF TECHNOLOGY

1.2 Address Line 1

SATHY ROAD, NH 209, VAZHIYAMPALAYAM

Address Line 2

SARAVANAMPATTI POST

City/Town

COIMBATORE

State

TAMIL NADU

Pin Code

641 035

Institution e-mail address

snsct@snsgroups.com

Contact Nos.

7550316701,7550316702

Name of the Head of the Institution:

Dr.S.Chenthur Pandian

Tel. No. with STD Code:

0422-6465204

Mobile:

9443791005, 7550316705

Name of the IQAC Co-ordinator:

Dr.L.M.NITHYA

Mobile:

9994681177

IQAC e-mail address:

iqac@snsct.org

1.3 **NAAC Track ID** (For ex. MHCOGN 18879): __TNCOGN80001__

1.4 **NAAC Executive Committee No. & Date:**
*(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)*

EC(SC)/27/A&A/16.2

1.5 Website address:

www.snsct.org

Web-link of the AQAR:

For ex. http://www.ladykeanecollege.edu.in/AQAR201213.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.02	2012	5 Years [5th July 2012 to 4th July 2017]
2	2nd Cycle	A+	3.51	2017	5 Years [12th Sep 2017 to 11th Sep 2022]
3	3rd Cycle				
4	4th Cycle				

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

15.09.2012

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

2017-2018

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 2012-2013 Submitted to NAAC on   05/11/2013**
   ii. **AQAR 2013-2014 Submitted to NAAC on   12/11/2014**
  iii. **AQAR 2014-2015 Submitted to NAAC on   01/10/2015**
  iv. **AQAR 2015-2016 Submitted to NAAC on   27/08/2016**
   v. **AQAR 2016 -2017 Submitted to NAAC on   22/07/2017**

1.10 Institutional Status

University   State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College   Yes ☑ No ☐

Constituent College   Yes ☐ No ☐

Autonomous college of UGC   Yes ☑ No ☐

Regulatory Agency approved Institution   Yes ☑ No ☐

(eg. **AICTE**, BCI, MCI, PCI, NCI)

Type of Institution   Co-education ☑ Men ☐ Women ☐

                    Urban ☑ Rural ☐ Tribal ☐

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

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

1.11 Type of Faculty/Programme

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

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

Others (Specify)   -

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

| **Anna University, Chennai** |

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

Autonomy by State/~~Central~~ Govt. / ~~University~~ | ✔ |

University with Potential for Excellence | - | UGC-CPE | - |

DST Star Scheme | - | UGC-CE | - |

UGC-Special Assistance Programme | - | DST-FIST | - |

UGC-Innovative PG programmes | - | Any other (*Specify*) | - |

UGC-COP Programmes | - |

2. IQAC Composition and Activities

2.1 No. of Teachers | **9** |

2.2 No. of Administrative/Technical staff | **3** |

2.3 No. of students | **2** |

2.4 No. of Management representatives | **1** |

2.5 No. of Alumni | **1** |

2. 6 No. of any other stakeholder and

   Community representatives | **1** |

2.7 No. of Employers/ Industrialists | **1** |

2.8 No. of other External Experts | **2** |

2.9 Total No. of members | **20** |

2.10 No. of IQAC meetings held | **4** |

2.11 No. of meetings with various stakeholders: No. **4**   Faculty ✓

Non-Teaching Staff Students ✓ Alumni ✓ Others

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. **2** International   National   State   Institution Level ✓

(ii) Themes
- NIRF 2018 Framework – Discussion
- NBA Process and Procedures

2.14 Significant Activities and contributions made by IQAC

- Continuous working of IQAC towards collecting and collating qualitative and quantitative data from every unit of the institution
- Improved the Graduation Results
- The IQAC at the departmental level prepared the road map of qualitative teaching and research.
- Performance appraisal of teachers is an important activity and IQAC is the nodal for the same
- Fulfilling Social responsibilities
- Minimizing environmental degradation
- Publication of Journals of international standards
- Organization of workshops, seminars on quality related themes
- Faculty Goal attainment roadmap and their follow-up

- Development programmes for Faculty and Students

- More extension activities

- Development of Research based work culture

- Governing council meeting held on a regular basis with members of the committee as a part of Academic Review activity

- Internal & External IQAC Academic Audit

- Preparation of documents related to academics and administration

- To develop a mechanism of felicitating and rewarding the best teacher based on the performance

- Established linkages with Industries

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	Outcome Achieved
Improve the academic results and Placement	Improved with our students CGPA on par with ANNA University rank holders
Conduct national level seminars/conferences/workshops by all departments.	Conducted by all the departments
Energize the activities of all the clubs and forums in the college.	All the clubs are conducting events periodically
Quality enhancement in Teaching Learning	Conducted many programmes
International Conference	Organized by (CSE, IT & MCA) on 14 and 15th February 2018.
Filing of Patents	More than 15 patents were filed and published
Conduct IQAC Internal & External Academic Audit, Log book Verification, External Audit	Conducted for all the departments

The Academic Calendar of the year is attached as Annexure I.

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

Management ☑️   Syndicate ☐   Any other body ☐

Provide the details of the action taken

> Management approved the AQAR after a detailed discussion with college authorities and formal sanction was given. They also suggested to strengthen the areas of Sponsored Research and consultancy works.

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	5		5	
PG	10		10	
UG	14		14	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	**29**		**29**	

Interdisciplinary	**5**		-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
- Autonomous System hence flexibility in altering curriculum to meet the industry requirements and new technologies.
- Elective options are available
- Choice Based Credit System
- Open elective from other discipline

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	24
Trimester	0
Annual	0

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

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

   Analysis of the feedback is attached as Annexure II

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

- The regulations, curriculum and the syllabi were revised. In the revised curriculum more emphasis is given for academic flexibility.
- In order to prepare the students to face the global competency Choice Based Credit System is introduced.
- Theory cum Practical courses called blended courses introduced.
- Open elective courses were offered by all the departments.
- Special electives with industrial collaboration were introduced.
- It has been decided to introduce one credit courses of industry specific from 2018-19 academic year.

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

Ph.D Electronics and Communication Engineering

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
340	294	22	24	-

2.2 No. of permanent faculty with Ph.D.   56

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
294	-	22	-	24	-	-	-	340	-

2.4 No. of Guest and Visiting faculty and Temporary faculty   0   0   0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	-	100	168
Presented papers	171	71	-
Resource Persons	1	14	-

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

Lecture Practice
- **General Questioning** : Pose sudden question to break the monotony of class.
- **Activity time**: Carry out any non technical activity that will help to bring back the attention of the students who have already lost it.
- **Instantaneous Quiz :** When a regular immediate mastery test is included in the last few minutes of the period, learners retain almost twice as much material, both factual and conceptual.
- **Recall activity**: You can call out any student of your class to recall the contents that were taught in the last 15 minutes of your class
- **Solving Worksheets**: Students can be made to complete or solve the work sheets that are provided by the faculty for their concerned subject

Small Group Teaching –

- Collaborative methodology is an active way that helps the members of their co-operative group or peer group to undergo highly interactive learning. It involves asking and answering questions among their own peer group, clarification of doubts among the members and putting each and every individual's contribution in sieving out the answers

Enhancing student learning
- SNS Institution has an exclusive anytime, anywhere accessible website www.snscourseware.org that provides the materials relevant to the course of the respective department of the student.
- The effective use of ICT in pedagogy has helped in grabbing the attention of the student throughout the session.
- Teaching-learning through various best practices such as flipping the classes, role play, case study, group discussion, small group learning, problem based learning, project based learning etc., has elevated the level of it.

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

180

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

- Continuous assessment is for 50 marks.
- End Semester Question papers Scrutiny by subject experts are implemented.
- Central valuation for End Semester Examinations.
- Setting the Internal Test Question Papers according to the Bloom's Taxonomy and verifying the same by respective course coordinator.
- Add a course has been introduced to facilitate the final year students to complete all the courses by VII semester so as to undergo project work in industry during the eighth semester.
- Students can also opt for one credit industry oriented courses for a minimum of 15 hours duration, which will be offered by experts from industry on specialized topics apart from the prescribed courses of study of the programme.
- The students can opt for self study course under the CBCS regulations. The students shall study on their own; no formal lectures need to be delivered.
- Students may be permitted to register online courses.
- Career Development Programme is included in Curriculum in order to enhance the Analytical, Presentation & Communication skill of the students.
- Dummy number system is introduced to ensure the fairness in evaluation
- Preparation of Test Performance Report for analyzing test results and immediate corrective actions.
- Supplementary end semester examinations are conducted after declaration of revaluation results for the final year students.
- Publishing results within 3-4 Weeks from the last date of examination.
- Statement of grades within a month after publishing revaluation results.
- Assessment by different modes like by Tests, Assignment, Group Discussion, Multiple Choice Questions, Online Test, Mini Project, Practicals, Seminar, Webinar etc is introduced to ensure different cognitive levels of learning.

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

84	129	

2.10 Average percentage of attendance of students

89.1%

2.11 Course/Programme wise distribution of pass percentage:

Graduation Year :\ 2016 - 1 7

Title of the Programme	Total No. of Students Appeared	Division				
		Distinction %	I Class %	II Class %	III Class %	Pass %
B.E. AERO	43	5.9	88.2	5.9	0	79.1
B.E. AUTO	65	1.9	94.3	3.8	0	81.5
B.E CIVIL	72	20.0	76.0	4.0	0	69.4
B.E CSE	148	30.1	66.9	2.9	0	91.9
B.E EEE	67	16.1	75.8	8.1	0	92.5
B.E. ECE	194	22.8	75.6	1.7	0	92.8
B.E. EIE	46	14.0	74.4	11.6	0	93.5
B.Tech. IT	47	31.1	64.4	4.4	0	95.7
B.E. MECH	207	10.3	85.9	3.8	0	89.4
B.E. MCT	61	5.9	92.2	2.0	0	83.6
M.E ST ENGG	17	52.9	47.1	0.0	0	88.3
M.E CSE	10	100.0	0.0	0.0	0	100
M.E PSE	5	100.0	0.0	0.0	0	100
M.E VLSI	8	87.5	12.5	0.0	0	100
M.Tech. IT	1	100.0	0.0	0.0	0	100
M.E THERMAL	9	55.6	44.4	0.0	0	100
MBA	61	22.0	74.6	3.4	0	96.7
MCA	25	16.0	144.0	16.0	0	100

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

- IQAC assists the college in preparing Academic Plan every year

- It publishes " Academic Calendar" each year and issues to all the faculty and students incorporating the Academic Plan in it

- Faculty Development Programmes and orientation programmes are arranged for enhancing professional competency and teaching skills of the faculty.

- It ensures that the Departments provide course outline and course schedule to the students prior to the commencement of the academic session.

- Apart from traditional lecture method of teaching, the IQAC advocates student centric learning - a process in which group discussions, interactive session, seminars , articles / book review, conducting various academic related activities , extension activities, participation in skill development programmes, learning value/ ethics based courses etc., are involved.

- The use of ICT, e-learning, e-books on-line journals, software meant for teaching are the latest technologies in operation at the initiatives of IQAC.

- The college adopts mentor/ tutor system to look after the learning capabilities of students individually.

- Feedback system is adopted to evaluate the teacher's performance by students / alumni.

- Student's performance is evaluated through Internal Assessment Exam [IAE] and End semester Examinations and students Grievance if any is fully addressed by means of well established mechanism.

- Each department is allotted with 14 different co-ordinators to look into academic, teaching, research, placement, student support etc.

- The monitoring system in respect of teaching, learning and evaluation is manifold such as, IQAC, feedback from stakeholders, Management Review, Internal Audit by IQAC and External Audit.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	NA
UGC – Faculty Improvement Programme	NA
HRD programmes	NA
Orientation programmes	50

Faculty exchange programme	1
Staff training conducted by the university	51
Staff training conducted by other institutions	100
Summer / Winter schools, Workshops, etc.	268
Faculty Self appraisal system	All faculty

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	40	0	2	0
Technical Staff	53	0	16	0

Criterion – III

3. Research, Consultancy and Extension

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

- Seed money projects up to 1 lakh to students and Faculty projects to promote research culture.

- Motivating students to do many innovative projects and participate in competitions at National and International level

- Directing towards publication of papers in SCI indexed journals by students and faculty members.

- Establishing research and innovation club in each department.

- Guiding to apply for Patents

- Establishing Centre of Excellence

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	-	-	15
Outlay in Rs. Lakhs	3,84,100	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	-	-	50
Outlay in Rs. Lakhs	36,600	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	182	42	-
Non-Peer Review Journals	117	3	-
e-Journals	83	-	-
Conference proceedings		-	-

3.5 Details on Impact factor of publications:

Range | 0.1 to 6.88 | Average | 2.33 | h-index | 115 | Nos. in SCOPUS | 33 |

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	Received
Major projects	2	AICTE	3,84,100	3,84,100
Minor Projects	4	TNSCST, ICMR, DST,	36,600	36,600
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	-	-	-	-
Total				4,20,700

3.7 No. of books published   i) With ISBN No. | 8 | Chapters in Edited Books | - |

ii) Without ISBN No. | - |

3.8 No. of University Departments receiving funds from

UGC-SAP | - | CAS | | DST-FIST | - |

DPE | - | DBT Scheme/funds | - |

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

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

3.10 Revenue generated through consultancy   Rs. 1,23,333

3.11 No. of conferences

Organized by the Institution

Level	International	National	State	University	College
Number	3	11	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons   15

3.13 No. of collaborations   International   5   National   3   Any other   0

3.14 No. of linkages created during this year   35

3.15 Total budget for research for current year in lakhs:

From Funding agency [-]

From Management of University/College   20 Lakhs

Total   20 Lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	19
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

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

Total	International	National	State	University	Dist	College
15	5	8	2	-	-	-

3.18 No. of faculty from the Institution
who are Ph. D. Guides   22
and students registered under them   11

3.19 No. of Ph.D. awarded by faculty from the Institution   **14**

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: Nil

University level [-]   State level [-]

National level [-]   International level [-]

3.22 No. of students participated in NCC events:

University level [30]   State level [5]

National level [3]   International level [.]

3.23 No. of Awards won in NSS: Nil

University level [-]   State level [-]

National level [2]   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 [14]

NCC [4]   NSS [5]   YRC & RRC [7]

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

- NSS Unit conducted a SEVEN DAY SPECIAL CAMP at Orakalpalayam village from 19.02.2018 to 25.02.2018 in the theme of youth for cleanliness.

- NCC day cum drill competition & sports competitions for 18 colleges under the control of 4TN BN NCC on 26th Feb 2018.

- As a part of Institution social responsibility all the departments have conducted extension programs, some of them are:

  1. Fire & Safety Awareness Program
  2. Eye and Dental Camp
  3. Health Awareness Rally
  4. Blood Donation Camp

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing Till 2016-17	Newly created 2017-18	Source of Fund	Total
Campus area	10.125	0	Trust	10.125
Class rooms	72	1	Trust	73
Laboratories	119	34	Trust	153
Seminar Halls	17	0	Trust	17
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	12	230		242
Value of the equipment purchased during the year (Rs. in Lakhs)	29.96	122.45		152.41
Others	-			

4.2 Computerization of administration and library

- College Office, Office of the controller of Examinations, Library and the entire administrative processes are completely computerized and interlinked with LAN connection.
- Wi-fi enabled campus
- OPAC software is installed in the library
- University correspondence is in digitalized mode (Online Entry of Internal Marks and Attendance)
- E-journals facility
- Parent intimation through online system

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	No.	Value	No.	Value	No.	Value
Reference Books	17697	4943539	2655	691742	20352	5635281

e-Books	37790	10787239	7966	2075226	45756	12862465
Journals	691	-	284	-	975	-
e-Journals	152	423442	152	436998	152	436998
Digital Database	1499	476800	1499	550339	1499	550339
CD & Video	2	23000	2	25370	2	25370
Others (specify)	3203	50000	1501	50000	4704	50000

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1338	30	650	3	30	15	13	-
Added	252	2	100	1	2	-	2	-
Total	1470	32	750	4	32	15	15	-

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

- Computer and internet facility round the clock
- Internet access in boys and Girls hostel after 5:00pm
- Wi-Fi Enabled Campus
- Value added Course relevant to their subjects
- Faculty Development Programmes and workshops in emerging area [Big Data, Hadoop, Cloud Computing, E-Governance etc] for faculty and students.
- Skill up gradation programme for technical faculty.

4.6 Amount spent on maintenance in lakhs :

i) ICT   35.82

ii) Campus Infrastructure and facilities   27.37

iii) Equipments   7.34

iv) Others   7.05

Total :   77.58

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> The IQAC renders information and support that the students and the alumni need.. It also ensures that the students are provided with skills and competencies needed for successful competition in the employment market.
>
> IQAC creates awareness about Student Support Services through
>
> - Orientation programmes [First 2 Weeks]
> - Class committee / Representative meetings
> - Information display on website / notice board.
> - Tutor Ward Meetings
> - Grievance Redressal Cell mechanisms.

5.2 Efforts made by the institution for tracking the progression

> ❖ Each department maintains records related to programme – Admission, Success rate, percentage of students progressing to higher education or employment etc.
> ❖ Tracking the progression is done by:
>   o Monitoring academic performance by continuous evaluation [IAE]
>   o Regular monitoring of students attendance and participation in co-curricular and extracurricular activities.
>   o Regular observation
>   o Regular meetings/monitoring
>   o Faculty involvement through counselling system.
>   o Regular feedback from students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3713	221	-	-

(b) No. of students outside the state

6

(c) No. of international students

-

Men				Women	
No	%			No	%
0	0			0	0

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
165	204	4	3607	-	3980	453	290	12	3223	-	3978

Demand ratio: NA   Dropout % : 0.499%

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

- The Training and placement cell is providing coaching to various competitive exams such as Banks PO, GATE, TOFEL, GRE and certification examinations.
- The Quantitative Aptitude and Logical Reasoning has been made mandatory for all students.
- The Materials required to prepare for competitive examinations are purchased and made available to the students in the library.
- Journals / Magazines related to competitive examinations are kept in the library.

No. of students beneficiaries   All Final Years

5.5 No. of students qualified in these examinations:

NET NA   SET/SLET NA   GATE 2   CAT 1

IAS/IPS etc -   State PSC -   UPSC -   Others

5.6 Details of student counselling and career guidance

A separate counselor is allotted to each student.
No. of Students per counselor/Tutor - 25
- Mode - Personal Meeting
- Area – Academic, Personal problem, Grievances and Motivation for better performance
- Reporting - Monthly Report to the Head of Departments.
- Monitoring : HoDs are responsible to monitor counseling and career guidance process

A separate training and placement cell is established for career guidance

No. of students benefitted   3934

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
28	686	304	289

5.8 Details of gender sensitization programmes

Women's cell and the SNSCT College culture play a major role in bringing revolutionary changes in the college and society. Girls are trained to take a lead role. It promotes gender equity and gender integration.

5.9 Students Activities

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

State/ University level 16   National level 1   International level -

No. of students participated in cultural events

State/ University level 1   National level 2   International level -

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

Sports: State/ University level 2   National level -   International level -

Cultural: State/ University level 1   National level 1   International level -

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	273	57,37,900
Financial support from government	529	1,38,17,925
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11   Student organised / initiatives

Fairs   : State/ University level [-]   National level [-]   International level [-]

Exhibition: State/ University level [-]   National level [1]   International level [-]

5.12   No. of social initiatives undertaken by the students   [15]

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

SNS College of Technology envisions to be internationally recognized Technical University, renowned for its excellence in teaching, learning and research in diversified fields of Engineering and Technology, by producing globally competent technocrats with strong ethical values.

MISSION

- To offer contemporary and rigorous educational experiences that will equip the graduates with advanced problem solving and critical thinking skills for contributing to societal growth.

- To ensure continuous development of infrastructure and state-of-the art equipments to provide technologically advanced and intellectually inspiring learning environment.

- To provide an ambience that encourages knowledge acquisition and academic freedom, to produce skilled professionals and vibrant entrepreneurs.

- To collaborate with Industry, Government bodies, R&D Organizations and Foreign Universities to acquire new knowledge and develop technological transformations to achieve global excellence.

- To instill a sense of professional integrity, social and ethical values, leadership qualities and cultural awareness to evolve as a responsible citizen.

6.2 Does the Institution has a management Information System

Yes. The College has a full-fledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with appropriate software and all information on student admission, examinations, marks, fee payments, etc is available for timely decision making and actions. The College library is also automated and the information regarding availability of books, issue details, etc is available to the students and staff at finger tips. An online public access catalogue (OPAC) is implemented to enable the students for speedy and convenient access to the library catalogue.

All the academic and administrative issues are deliberated and discussed in the appropriate body / Committees.

The deliberations are properly minuted and the decisions implemented at all levels in the form of proceedings, rules and regulations and policies. All relevant information about the college is published on the college website for reference.

Some forms of MIS are

Daily Absent Report (Staff & Students)

One Page Monthly Report

IQAC Monthly Presentation

Management Review Meetings

Budget Meetings

IQAC Quarterly Meetings

Semester Progress Report

Annual Report

Governing Council

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

6.3.1 Curriculum Development

- Quality curriculum is developed taking into account the views of all stakeholders students, alumni, subject experts, faculty expertise and industrial experts. Industry based curriculum with societal impact is the key point in developing the curriculum

- Periodically the Curriculum Development Committee of the program reviews the syllabus and gives suggestions. The syllabus is suitably changed and then presented to the Board of Studies (BoS) for a detailed review. After recommendation of Standing Committee, the Academic Council approves the curriculum & syllabus.
- On an average of 20-30% courses have undergone major revision during the last four years based on feedback. Few new courses are also added based on feedback received from stakeholders.

6.3.2 Teaching and Learning

The CLT offers various training and guidance for both SNS Institutions faculty members and graduate students for the following area.

- One to One consultation
- Classroom observation and feedback
- Effective teaching approaches
- Efficient utilization of resources
- Various educational tools and technologies
- Various assessment methodologies
- Orientation programme for graduate students towards teaching excellence

The CLT orientation programme covers the following topic and not limited to this.

- **Preparing to Teach** - Get ready to facilitate student learning by planning for the start of your class and reflecting on your teaching practices.
- **Practicing Bloom's Taxonomy** – Learn an important to establish in a pedagogical interchange so that teachers and students alike understand the purpose of that interchange.
- **Active Learning and Interactive Classrooms -** Explore strategies and approaches to promote student engagement in lecture, discussion, and lab.
- **Microteaching** – Present the class as per orientation and strategies and improve your teaching style based on constructive feedback by experts individually.

- **Grading, Rubrics and Feedback -** Learn evidence-based practices for designing assessments, communicating expectations, and providing feedback on student learning.
- **Beyond the Classroom –** Learn the strategies and approaches to solve the problem faced beyond the classroom.

6.3.3   Examination and Evaluation

- Adoption of CBCS system from 2015 onwards
- Academic Audit by External Experts: Question Paper Quality and valuation of answer scripts are audited
- Application of Revised Bloom taxonomy in question paper setting
- There is an external scrutiny for UG end semester examinations
- The End Semester examinations are evaluated in a centralized manner
- Cross verification of the valuated answer scripts
- Supplementary end semester examinations are conducted for 2013 batch

6.3.4   Research and Development

- A separate Research and Development cell is functioning with a designated R & D Director.
- Efforts are being taken to obtain research projects, grants from funding agencies.
- Providing monetary incentives to the staff and students for presenting research papers   in State. International, National level Seminar and Symposium
- The Institution offers 50% of the registration fee with OD for faculty who are presenting the papers in national & International conferences.
- Rs. 1500 & 1000 cash award for paper presented in International and National Journals.
- Sharing of 40% of the consulting revenue to the consultancy team.
- Encouraging faculty to enhance their qualification [M.Phil/ Ph.D., programme]

6.3.5   Library, ICT and physical infrastructure / instrumentation

Library

Library Committee suggested a list of books based on interaction with the students and faculty members. This list was forwarded to concerning authority for sanction and purchase of books.

ICT Infrastructure

LCD projectors, Desktops, printers, Internet switches, Dot matrix printers, UPS, application software and systems software's

Physical Infrastructure

SNSCT has sufficient infrastructures which includes, seminar Halls equipped with internet and projector with seating capacity of 200-7000 members Faculty rooms, Meeting rooms, Office , Class rooms ,Tutorial rooms, Boys common rooms, Girls common rooms, Laboratories equipped with necessary hardware and software, communication Laboratory, Research Laboratory , Library, Internet and wi-fi facility in the entire building.

The academic schedule is drawn at the beginning of the academic year itself in such a way that the available Air Conditioned Seminar Halls, Language Lab, Computer Centres, Hardware Labs, Audio Visual Rooms, LCDs, Play grounds, Gym, Digitalized Library, Dynamic Website, 24x7 Wi-Fi Campus, Controller of Examination Centre are utilized to the maximum extent by all the Departments without compromising the quality of service to the students.

6.3.6   Human Resource Management

A well established team manages Human Resource of the College. It is responsible for the attraction, selection, training, assessment, and rewarding of employees, while also overseeing organizational leadership and culture and ensuring compliance with employment and government laws. Proper care is taken in the selection process for keeping quality in the appointments. Staff sent for various types of training programme and workshops for enhancing their competence. Work distributed as per qualifications and experience of the staff. Incentive given to the staff.

The Governing Body is the supreme body which is headed by the Chairman of the Management Council. Two members of the Management (Correspondent and Secretary), UGC, University and the State Government Nominees, the Principal, Director, Trustee, two External members as educationists and two Senior Professors of the College are the members. The Governing Body meets at least twice in a year for providing valuable guidance in planning, organizing and execution of all academic and administrative activities.

The Principal of the College is the academic head of the Institution. He looks after the academic activities of the Institution and maintains a cordial relationship with the management and all stakeholders of Higher education.

6.3.7 Faculty and Staff recruitment

The written test is conducted in online only. The main objective of this round is to identify the life skills, technical knowledge and Teaching Pedagogy of the candidate.

- Test Pattern will contain 100 questions (25 Teaching Pedagogy, 25 Technical Knowledge and 50 Life skills).

The main objective of group discussion is to check the communication skills, attitude of acceptance, interpersonal skills, leadership and handling diversified answers

- Each Panel consists of 8- 15 members with a time limit of 20 minutes
- Topics could be from social skills and technical skills

6.3.8   Industry Interaction / Collaboration

- The Industry Institute Partnership Cell (IIPC) at SNSCT is intended to be the face of the institute to the industry. It aims to facilitate the process of close industry-institute interaction and actively promoting fresh avenues for the same. The Industry Institute Partnership Cell (IIPC) at SNSCT strives to enhance industry interaction with students and bridge the gap between academic and corporate world. IIPC invites entrepreneurs, executives and policy makers to address students thereby facilitating practical learning.

- Major events organized by the departments along with IIPC are,
  - Guest lectures
  - Industry visits
  - Inplant Trainings
  - Internships
  - Personality development and grooming sessions
  - Placement sessions
  - CEO Talk
  - MoU Signing
  - Industrial Projects

6.3.9   Admission of Students

The College ensures transparency in the admission process by strictly adhering to the guidelines issued by the AICTE, Govt. of Tamil Nadu, Directorate of Technical Education and Anna University.

In B.E./ B.Tech., 65% of seats are admitted through Counseling by Single Window System conducted by Anna University Chennai. Remaining 35% seats are admitted through Management Quota. Admission for Management Quota is done as per the procedure given by the Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

For PG Programmes such as MBA & MCA, 50 % seats are filled by Government Quota and the remaining 50% by Management Quota, in case of M.E/ M.Tech programmes out of 18 seats sanctioned 15 seats are filled by management quota and 3 seats by counselling.

Admission for Management quota is done as per the procedures of Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

6.4 Welfare schemes for

Teaching	• Certificates of appreciation for producing 100% results in theory subjects and 85% and above results in analytical subjects in University examinations in the subjects handled.
	• Monetary incentives for publication / presentation of papers in peer-reviewed Journals and Conferences.
	• Granting permission for attending Conferences, Seminars, Workshops ,Faculty Development Programme , Summer /Winter school etc.[50% of registration fee]
	• Permission to register for doing M.Phill/ Ph.D., programmes to enhance their qualifications.
	• Some other benefits :
	    Group medical insurance
	    Medical leave facility
	    On duty facility
	    Provident fund
	    ESI

Non – Teaching	➢ ESI Contribution by the Management ➢ Group Insurance ➢ Concessional Transport Facility ➢ Medical leave facility

Students	➢ Financial assistance to economically weaker students ➢ Merit Scholarship based on their academic performance ➢ Remission of Tuition fees for deserving ➢ Sports Concession in Tuition Fees ➢ Best Student Award ➢ State/Central Government Scholarship facilities ➢ Support for getting Educational Bank Loan / Financial Assistance from Private Trust. ➢ Subsidized Bus Fare ➢ Group Insurance Scheme

6.5 Total corpus fund generated

2 Crores

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IQAC	Yes	IQAC
Administrative	Yes	K.S.Palanisamy & Co, Coimbatore	Yes	Mr.V.Vaidyanathan

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

For UG Programmes   Yes ✓   No ☐

For PG Programmes   Yes ✓   No ☐

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

> Multiple choice question are introduced
>
> Case studies are introduced for MBA programme
>
> Introduced online tests for continues assessment.
>
> Students can get photo copy of answer sheets and apply for revaluation.

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

Anna University, Chennai has taken the following efforts to promote autonomy:

- Academic freedom in autonomous colleges by encouraging introduction of innovative academic programmes
- Facilitate new courses of study, subject to the required minimum number of hours of instruction, content and standards
- Permitting them to issue their own provisional, migration and other certificates
- To reduce work effort by university people and with depute various nominees of the university to serve in various committees of the autonomous colleges and get the feedback on their functioning
- Providing opportunity to conduct examination more innovatively
- Academic flexibility to the institute
- The University Reviews the functioning of autonomy once in three years.
- Nominates its representatives to the statutory bodies - Board of Studies, Academic Council and Governing Body.

6.11 Activities and support from the Alumni Association

- The alumni association has been established to have strong linkage
- They also make generous contribution for the development of the college and students.
- An alumni meeting is conducted every year in the month of March/April.
- They regularly interact with the students to create corporate awareness.
- Guest Lecture are conducted through alumni.
- Department wise meeting is also held at least once in a year.
- Assist the college in getting placement for the current students.
- Member of various bodies/committees of the college and contribute to Curriculum revision, Program Outcome revision etc.,.

6.12 Activities and support from the Parent – Teacher Association

- Parents suggest the ways and means for the development of the college during parents meeting.
- Co-operate with the staff for the regularity and discipline of the students.

6.13 Development programmes for support staff

- Encouraged to do higher studies in our college or outside.
- Training programmes are regularly conducted to improve their skills

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

The college is lying on the lap of green and resplendent natural beauty with a variety of flora and fauna. The inmates of the college are very careful to keep the campus plastic free. Various clubs and forums are actively involved in the maintenance of ecological; balance in the campus. The initiatives that have been put in place to promote the concept of **'reduce, reuse and recycle'** contribute to protect the environment. The institute have the following eco-friendly scenarios. They are

- Waste Segregation
- Water Recycling
- Rainwater Harvesting
- Replacing tube lights with CFC bulbs.

Criterion – VII

7. <u>Innovations and Best Practices</u>

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

- Payment of fees in instalment for the needy.

- IQAC organized presentations of teaching techniques of newly recruited faculty, which was evaluated by senior faculty and suggestions were given for improvement

- Additional M.O.U's have been established between industries and institution to provide with subject related expertise to the students

- Lectures and interactive sessions with distinguished alumni

- Talk on current challenges in science & opportunities for young students

- Continuous evaluation of students

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

IQAC planned the objectives for current year (2017-18) and its progress was monitored through action taken report monthly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required

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

Refer Annexure III

7.4 Contribution to environmental awareness / protection

SNS College of Technology seeks to provide an education combining the generous arts, work and service with a strong commitment to environmental responsibility and cross-cultural understanding in a setting that promotes wisdom, spiritual growth and contribution to the common good.

The environmental degradation is arrested through

- Luxuriously grown trees
- Tree Planting whenever necessary
- Conservation of energy by replacing the tube lights with CFL bulbs,
- Turning off electricity in class rooms and hostels, and other places when sunlight is naturally available in plenty
- Prohibition of movement of vehicles inside the campus
- Water harvesting
- Use of solar energy
- Hazardous waste management
- Inclusion of a course on 'Environmental Studies' in the curriculum.

7.5 Whether environmental audit was conducted?   Yes ☑   No ☐

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

SWOT

Strength

- Autonomous status granted by UGC and Anna University
- Recognition by UGC under sections 2(f) and 12(B)
- Accreditation and Re-Accreditation by NBA –AICTE
- Committed, well qualified and competent faculty
- Multiple clubs that enable holistic development of students
- Student engagement in academic and administrative activities
- Financial assistance by management scholarship scheme.
- Proactive management
- Functional IQAC for quality enhancement and sustenance
- Wide spread campus with greenery.

Weakness

- Regulation restriction by parent university
- Minimum core placement due to students interests in IT industries
- Scope of commercializing the research outcomes
- Lack of interest among students in taking up competitive examinations due to good placement opportunities.
- Being a Self-Financing Institution no funds from Government.

Opportunity

- Creation of "Centers of Excellence" and "Industry sponsored laboratories" in all departments.
- Collaborating with institution and universities inside and outside India for joint research and continuing education.
- Intellectual Property culture among Faculty and students
- Offering courses through MOOC

Threats

- To meet the competition in Higher Educational field
- Sharp rise in expenditures
- Government regulations with regard to fee structure for students

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

1. To get ranking in National Bodies/Agencies
2. Research projects – Educational and Social research project will be taken in to consideration.
3. Industry Sponsored Laboratories.
4. To achieve high standards in Research and Development
5. Apply for more patents.

Name: **Dr.L.M.NITHYA**   Name: **Dr.S.CHENTHUR PANDIYAN**

_____   _____

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

_____ *** _____

SNS COLLEGE OF TECHNOLOGY
COIMBATORE-35

ACADEMIC SCHEDULE [ODD & EVEN SEMESTER]

Sl. No	Contents	Academic Year 2017-2018	
		ODD	EVEN
1.	Reopening of II, III & IV Year	19.06.2017	18.12.2017
2.	IA1	31.07.2017	22.01.2018
3.	IA2	18.09.2017	27.02.2018
4.	IA3	-	02.04.2018
5.	Last Working Day	17.10.2017	28.04.2018
6.	Practical	23.10.2017	20.04.2018
7.	Theory	06.11.2017	07.05.2018

Sl. No	Contents	Academic Year 2017-2018	
		ODD	EVEN
1.	Reopening of I Year	21.08.2017	18.01.2018
2.	IA1	09.10.2017	27.02.2018
3.	IA2	27.11.2017	02.04.2018
4.	IA3	13.12.2017	26.04.2018
5.	Last Working Day	20.12.2017	19.05.2018
6.	Practical	21.12.2017	14.05.2018
7.	Theory	02.01.2018	28.05.2018

Stakeholder's Feedback Analysis

a.   Feedback from alumni

Feedback on curriculum is obtained from Alumni, when they come to the college to get their original Certificates / Degrees on completion of the course and attend the Alumni Meet arranged by the department concerned periodically. Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Alumni are also a member in the Board of studies. The recommendations made by the alumni, subsequently discussed and approved by the BOS.

b.   Feedback from Parents

During Parents' Meeting, parents meet the faculty to know about the academic performance, regularity, conduct and behaviour of their wards and they provide such information about the usefulness or suitability of the programme of their wards.

c.   Feedback from Peers

The College gets feedback from the Subject Experts, Resource Persons, Members of Inspection Commission and External Examiner for conducting Viva-voce, Special invitees to the seminars, symposium and workshops arranged in the College campus to enrich the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Some of the recommendations made by the Peer Team, subsequently discussed and approved by the Board of Studies.

d.   Industrial Experts

Each Board of Studies is represented by a noted person from Industry. His / Her elucidations on the requirements of industry with regard to subject knowledge and skill are faithfully taken for consideration while revising / updating the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Some of the recommendations made by the industrial experts subsequently discussed and approved by the Board of Studies.

BEST PRACTICES

BEST PRACTICE I

1. Title of the Practice

CENTRE FOR CREATIVITY

- Centre for Creativity (CFC) was established to encourage faculty members and students to pursue Research, Consultancy, Product & Patent Development. Moreover, it encourages establishing startups through interaction with industries/institutions in order to solve industrial problems in Science, Engineering, and Technology.

- The CFC is responsible for supporting and monitoring the progress of Centers of Excellence, Industry Institute Partnership Cell, Consultancy Cell, Entrepreneurship Development Cell and R&D Centre of SNS Group of institutions and helps to take up collaborative projects with various Industries, by setting up a Patent cell, Incubation centers and Centers of Excellence with premium industries. T

- he CFC has an advisory committee, which supports various factors such as R&D, sponsored research and consultancy activities. Further, the Management considers the recommendations of the advisory committee while formulating policy guidelines.

- A wider consultation is held with the faculty members to solicit their views and encourage the participation of faculty members in R&D activities, adding to the academic reputation of the institutions.

- It also generates funds for augmenting the facilities and help them in the development of human resources through Master and Doctoral level programmes.

2. Objectives of the Practice

- Encourages students to develop skills toward creativity, innovation, and entrepreneurial skills.

- Innovate and offer educational programmes in various disciplines with synergistic interaction with the industry and society.

- Integrate working environment, where students, faculty along with industry experts involve in Teaching –Learning to facilitate R&D.

- Identify the international Institutions/Industries to conduct various R &D functional activities.

- Inculcate among students a global vision with skills of international competence.

- Supports students to get an internship, in plant training and industrial visits from various industries.
- Instruments in shaping many MoUs with various Industries, Research and Development.
- Provides pre – incubation supports the effective transfer of innovative ideas into products.
- Nurtures the interactions by exchange of expertise between the Institute and the Industry.
- Supports Faculty members/Scholars/Students in Faculty/Students Exchange from institutions and Industry through IIPC to gain Industrial Experience

3. **The Practice**
   - Idyafactor the centre of excellence for AR/VR is powered by HP Elite All in one computer with 16GB Ram, HP 800MT processor, Leap motion sensor, Oculus rift and google chrome cast etc.
   - Our focus is a) Virtual Reality (VR) which helps in experiencing things through our computers that don't really exist, b) Augmented Reality (AR) - a view of the physical real-world environment with superimposed computer-generated images and c) Mixed Reality (MR) which is the combination of AR and VR.
   - Our students are working on game development projects based on Unity and Unreal softwares and object visualization and recognition using AR.
   - The initiative being challenging yet fulfilling has given the faculty and students at the institution to explore new vistas in engineering education. SNS – Idyafactor iDigiBridge Centre of Excellence for AR/VR will be a competitive hiring advantage giving employers access to well-prepared graduates, skilled in the latest gaming concepts & tools.

BEST PRACTICE II

1. **Title of the Practice**

   STUDENT CENTRIC TEACHING AND LEARNING PROCESS

   - Students are in the world of opportunities and challenges. The student requires intellectual and technical skills in this competitive world.

   - The expectation of industry from potential employee is elevating every year.

   - To provide employability skills for diversified students. Students require some additional skills along with the technical knowledge.

   - Improving student's knowledge by simple lecturing becomes more complex due to advancement in I.Q level of students.

   - Making the student as an active learner rather than passive listener is another challenge during the lecture.

   - Adopting different teaching methods with latest technology and happenings is required to maintain the attention of students.

   - The college provides periodical training for the faculty members to enhance their teaching abilities and maintain pace with the students

2. **Objectives of the Practice**

   - To excel in teaching and learning process through various teaching methodologies.

   - Implementation of teaching pedagogy such as quiz, case study, puzzles, group discussion, model demonstrations, role play, brain storming session etc.

   - To encourage faculty member to adopt various teaching and learning modules.

   - Implementation of activity based learning, project based learning to actively engage the students in learning process.

   - To promote critical thinking and make student globally competitive.

3. **The Practice**

   - The CLT has been established with the vision to enhance the students learning experience in the college.

   - CLT is overall responsible for the recruitment, training, monitoring and appraisal of faculty members.

   - CLT periodically conducts FDPs to orient faculty towards student's centered learning.

   - All the faculty members are mandated to have a teacher's manual and student's workbook for their course.

   - The teacher's manual gives the highlights of each session including minute to minute

plan, pedagogies used and resources required etc.

- The prepared lesson plan is given well in advance to the students.

- Each session is initiated with a discussion or questions or story with real time examples before defining the objective.

- During Lecture, questioning by the students is encouraged by giving simple and reliable example related to the topic of discussion.

- Teaching circle is created by assigning task to a set of students which develops team work culture and creates interest in learning.

- The learning is continuously evaluated through group discussion, class test, assignments, assessment examinations and online quiz etc.

- The questions for assessment examinations and semester examinations are set based on Blooms taxonomy lower order thinking and higher order thinking action verbs.

- The students are given freedom to share their views and ideas during discussion. Freewheeling of ideas is allowed during discussion and they are allowed to build on other's ideas.

- Changes in curriculum are made based on the feedback from members of board of studies, faculty meeting, alumni, industrial experts and students

********* **AQAR 2017-2018** *********