

**The Annual Quality Assurance Report (AQAR) of the
IQAC
2016-2017**



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**

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2016-2017

1. Details of the Institution

1.1 Name of the Institution

SNS COLLEGE OF TECHNOLOGY

1.2 Address Line 1

SATHY ROAD, NH 209, VAZHAYAMPALAYAM

Address Line 2

SARAVANAMPATTI POST

City/Town

COIMBATORE

State

TAMIL NADU

Pin Code

641 035

Institution e-mail address

snsct@snsgrups.com

Contact Nos.

0422-2666264

Name of the Head of the Institution:

Dr.S.Chenthur Pandian

Tel. No. with STD Code:

0422-6465204

Mobile:

9443791005

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/60/A&A/003 dated 5-7-2012

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	1 st Cycle	A	3.02	2012	5 Years [5 th July 2012 to 4 th July 2017]
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

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

15.09.2012

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

2016-2017

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

- i. **AQAR 2012-2013 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**

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	<input checked="" type="checkbox"/>		
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="18"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="7"/>
2.3 No. of students	<input type="text" value="2"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2. 6 No. of any other stakeholder and Community representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="3"/>
2.9 Total No. of members	<input type="text" value="32"/>
2.10 No. of IQAC meetings held	<input type="text" value="4"/>

2.11 No. of meetings with various stakeholders: No. 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. International National State Institution Level

(ii) Themes

- Skill, Innovation and Entrepreneurship
- New Teaching Methods and Maintenance of Academic and Assessment Record

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 & University Ranks
- The IQAC at the departmental level will prepare the road map of qualitative teaching and research. The departmental cell shall have one faculty(Who will act as the coordinator)
- Performance appraisal of teachers is an important activity and IQAC shall be the nodal for the same
- Career Guidance and Placement Cell strengthened
- Upgraded library by subscription to e-journals (IEEE)
- Fulfilling Social responsibilities
- Minimizing environmental degradation
- Publication of Journals of international standards
- Organization of workshops, seminars on quality related themes

- 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 inputs gathered from IQAC
- 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	Graduation rate of 78.2 % with 19 University Ranks
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
Complete the Construction work of the separate amenities block	Amenities block construction completed
Quality enhancement programmes to students, teachers and administrative staffs.	Conducted the programmes
International Conference	Organized by (ECE, EEE & EIE) on 9 th March and 10 th March 2017
Quality Publication (By Faculty members)	More than 170 papers were published in reputed Journals
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	4		4	
PG	10		10	
UG	10	4	14	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	24	4	28	

Interdisciplinary	2	3	-	-
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 is introduced

(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.
- The U.G curriculum consists of six career development programmes for training the students studying from I year till sixth semester given specifically for Placement.
- Inplant training is part of curriculum and every student is expected to undergo at least one inplant training and one non credit course.

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

1. Agriculture Engineering
2. Biomedical Engineering
3. Civil Engineering and Planning
4. Mechanical and Automation Engineering

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
307	273	18	22	-

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
289	-	15	-	23	-	-	-	327	-

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	189	72	0
Presented papers	119	66	0
Resource Persons	2	20	0

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

- Innovative teaching approaches have been introduced ever since the College has become autonomous by amalgamating theoretical knowledge with practical approaches.
- Use of ICT in teaching learning process
- Establishing the Lesson plan for every subject well before the commencement of each semester along with the course hand outs which are made available to all students on the start of the academic year
- Teacher's study materials [soft copy-power point/PDF presentation] are shared with students
- Teaching faculty and students are encouraged to use latest technology such as LCD, internet, NPTEL videos etc., in the teaching learning process
- Departments are provided with LAPTOPS by the management to support ICT
- Innovative teaching methods such as activity based learning, problem based learning, project based learning, role play, mind mapping, puzzles etc were practiced in class rooms regularly
- Inspire & create interest towards learning the subjects
- Train diversified students to achieve academic excellence

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

180

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

- The question papers are set by experienced faculty members and valuation is done by both internal & external faculty members.
- The U.G question paper consists of three sections out of which one section contains ten multiple choice questions to test the thinking / reasoning capability of the students.
- Dummy number system is followed during valuation to hide the identity of students. Results are processed through software and the results are published before commencement of the next semester.

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

52	244	
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2.10 Average percentage of attendance of students

80%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total No. of Students Appeared	Division				Pass %
		Distinction %	I Class %	II Class %	III Class %	
B.E. AERO	43	2	30	1	-	76.74
B.E. AUTO	65	1.5	92.3	7.69	-	70.7
B.E CIVIL	72	32	0	0	-	58.3
B.E CSE	127	43	100	84	-	86.4
B.E EEE	67	17.2	77.6	5.2	-	86.6
B.E. ECE	151	1	140	10	-	72.6
B.E. EIE	52	3.8	57.7	21.2	-	82.7
B.Tech. IT	52	0	42	7	-	94.2
B.E. MECH	133	1	83	15	-	74.4
B.E. MCT	67	1.8	85.4	12.7	17.9	82

M.E ST ENGG	16	7	0	0	-	100
M.E CSE	10	10	0	0	-	100
M.Tech. IT	1	1	1	0	-	100
M.E THERMAL	16	11	6	0	-	100
MBA	53	3.7	90.5	0	-	94.3
MCA	39	19	69	16	-	82
Total	996	9.6	56.8	11.1	1.1	84.7

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

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	NA
UGC – Faculty Improvement Programme	NA
HRD programmes	NA
Orientation programmes	50
Faculty exchange programme	3
Staff training conducted by the university	0
Staff training conducted by other institutions	157
Summer / Winter schools, Workshops, etc.	261
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	46	-	3	-
Technical Staff	47	-	5	-

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 quality journals by students and faculty members.
- Establishing research and innovation club in each department.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	4
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	-	-	9
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	252	11	-
Non-Peer Review Journals	97	-	-
e-Journals	37	-	-
Conference proceedings	130	-	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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	-	-	-	-
Minor Projects	2016-2017	UGC,SERB,TNSTC	689000	689000
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total				689000

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 CAS DST-FIST
DPE DBT Scheme/funds

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

3.10 Revenue generated through consultancy

3.11 No. of conferences

Level	International	National	State	University	College
Number	1	2	-	-	-
Organized by the Institution					
Sponsoring agencies	-	-	-	-	-

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	3
	Granted	2
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
5	3	2	-	-	-	-

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: Nil

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: Nil

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 YRC & RRC

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

- Seven days special camp in ooraikalpalayam village, during the academic year 2016-2017.
- NCC unit conducted NCC day cum drill competition & competitions based on SSB for 18 colleges under the control of 4TN BN NCC on 7th March 2017.
- As a part of Institution social responsibility all the departments have conducted extension programs, some of them are:
 1. Disaster Management Awareness Program
 2. Computer Training Program
 3. Oil and Gas Conservation Mass Awareness Program
 4. Road Safety Awareness Program

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	10.125	-	-	10.125
Class rooms	62	10	-	72
Laboratories	115	4	-	119
Seminar Halls	17	-	-	17
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	5 (2015-2016)	7	-	12
Value of the equipment purchased during the year (Rs. in Lakhs)	-	29.96 Lakhs	-	29.96 Lakhs
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	16397	4646879	1300	296660	17697	4943539
Reference Books	33894	10017257	3896	769982	37790	10787239

e-Books	577	-	114	-	691	-
Journals	152	409923	152	423442	152	423442
e-Journals	1499	442651	1499	476800	1499	476800
Digital Database	2	23000	2	23000	2	23000
CD & Video	3203	50000	3203	50000	8667	50000
Others (specify)	-	-	-	-	-	-

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	-	-	-	-	-	-	-	-
Total	1338	30	650	3	30	15	13	-

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	38.26
ii) Campus Infrastructure and facilities	51.44
iii) Equipments	94.79
iv) Others	56.29
Total :	240.78

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:
 - Monitoring academic performance by continuous evaluation [IAE]
 - Regular monitoring of students attendance and participation in co-curricular and extracurricular activities.
 - Regular observation
 - Regular meetings/monitoring
 - Faculty involvement through counselling system.
 - Regular feedback from students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3685	295	-	-

(b) No. of students outside the state

6

(c) No. of international students

-

Men

Women

No	%
0	0

No	%
0	0

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
421	301	9	3114	2	3847	165	204	4	3607	-	3980

Demand ratio: NA

Dropout % - 1.05%

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	3	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

3980 Students

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
92	762	610	182

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 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
Financial support from institution	310	70,75,000
Financial support from government	595	1,60,71,945 (applied)
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 International level

5.12 No. of social initiatives undertaken by the students

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

In an affiliating system there is limited flexibility for innovative curricular designing. However the colleges involve in the process indirectly as and when the faculty members are elected to various Academic Bodies. From 2013-2014 onwards the college has become autonomous and Credit based Semester System was introduced. All the teachers of the college have actively participated in the syllabus framing process. 5-6 members of each department of the college played their role as members of the Board of Studies. During the course of the academic year many of the departments contributed substantially to introduce innovation in curricular design.

6.3.2 Teaching and Learning

- Adopting **interactive method, project-based learning, computer-assisted learning, experiential learning, Centric learning, seminars, guest lectures, group discussions** to make teaching and learning as efficient and effective process.
- Use of teaching aids like OHP and LCD Projector in addition to Conventional lecture method.
- Web based learning and Visual class rooms are used to enrich their knowledge in latest Technologies.
- Providing practical experience by way of hands on training, mini projects and additional lab experiments beyond the syllabus.
- Providing Internet facilities during college hours and beyond to have exposure to latest trends.
- Arranging guest lecturers by inviting experts from Industries, Research Organizations and Educational Institutions in the emerging field to enable the staff and students to learn new technologies.
- Interaction sessions are arranged with people from Industries to have a clear idea regarding the industrial needs.
- Encouraging the learners to ask questions during teaching process (Learn by Queries) in order to clear the doubts while grasping the subject.

- Submitting assignments / Innovative works on various topics.
- Conducting seminars and presenting papers in the class, provides platform for discussion among the learners.
- Visiting Industries, Exhibitions, Trade Fairs etc., helps to enhance their knowledge.
- Participating and presenting papers in symposiums, Conferences, Displaying their Project etc., helps to exhibit their talents.
- Arranging Professional Trainers from reputed organization to develop their aptitude, communication, personality development and other soft skills.
- Identifying the slow learners and adopting remedial measures to improve their learning skill.

6.3.3 Examination and Evaluation

All components in any programme of study are evaluated continuously through internal assessment and an external assessment. Internal assessment is done throughout semester in the form of Internal assessment examinations and assignments. External evaluation is done at the end of semester in the form of end examination.

Question paper setters for end examination are from outside the college. Subject experts from our institute prepare the scheme of evaluation, giving guidelines for the examiners for distribution of marks for different points in the question. In case of numerical problems, solution of the problems with distribution of marks for different stages should be given in scheme of marking. Evaluation of answer scripts will be done by the external examiners from other colleges and universities.

The method of evaluation involves dummy number allotment to answer scripts to ensure unbiased evaluation. Evaluation process is transparent. Institute communicates the outcome of the evaluation by publishing results on the internet through Institute website. Students shall be permitted to request for revaluation of the end theory examination answer scripts within a stipulated period after announcement of the results. After revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks.

Based on the credits and marks obtained by the student Semester Grade Point Average (SGPA) will be calculate for semester and Cumulative Grade Point Average (CCPA) will be calculated for entire program. Award of class will be finalized based on CGPA. A soft copy of consolidated mark statement is sent to all departments and it can be used for clarification and result analysis after publication of results. Analysis of student's results is done by the respective departments.

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.

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 faculty and staff recruitment is done on the basis of merit. The vacancies arising at different points of time are notified in news papers and applications are received. The candidates will be called for an interview through advertisement in regional/national newspapers, College Website and in response to their application for the posts submitted voluntarily.

- ▶ Constitution of the Selection Committee, consisting of the Members of the Management, Principal, HOD concerned and subject expert from outside.
- ▶ Conduct the interview paying importance to their aptitude, communication skill, interest in teaching profession, educational qualification, professional competency, subject knowledge etc.
- ▶ The Committee will finally approve the selection and the Chairman will issue the appointment order to the selected candidate.

Qualification, eligibility criteria, pay scale are as per the AICTE & state government norms

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	<ul style="list-style-type: none"> • 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.Phil/ Ph.D., programmes to enhance their qualifications. • Some other benefits : <ul style="list-style-type: none"> Group medical insurance Medical leave facility On duty facility Provident fund ESI
Non – Teaching	<ul style="list-style-type: none"> ➤ ESI Contribution by the Management ➤ Group Insurance ➤ Concessional Transport Facility ➤ Medical leave facility

Students	<ul style="list-style-type: none"> ➤ 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
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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. Innovations and Best Practices

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

- 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 (2016-17) 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
- ▶ Well maintained wide sprawling campus with state of the art infrastructure
- ▶ Environment friendly practices such as rain water harvesting, waste recycling, energy conservation, etc

Weakness

- ▶ Regulation restriction by parent university

▶ Lack of interest among students in taking up competitive examinations due to good placement opportunities

▶ Scope of commercializing the research outcomes

Opportunity

▶ Creation of “Centers of Excellence” and “Industry sponsored laboratories” in all departments

▶ Offering courses through MOOC

▶ Collaborating with institution and universities inside and outside India for joint research and continuing education

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 highest grade in NAAC Accreditation –CYCLE II.
2. Research projects – Educational and Social research project will be taken in to consideration.
3. Centralized Instruments facility.
4. Core Computational and ICT facility.
5. To achieve high standards in Research and Development
6. Plan for providing genuine guidance regarding competitive exams to aspiring students.
7. 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 2016-2017	
		ODD	EVEN
	Reopening of II, III & IV Year	04.07.2016	02.01.2017
	IA1	01.08.2016- 05.08.2016	13.02.2017-15.02.2017
	IA2	06.09.2016-09.09.2016	22.03.2017-24.03.2017
	IA3	20.10.2016-24.10.2016	18.04.2017-20.04.2017
	Last Working Day	31.10.2016	01.05.2017
	Practical	02.11.2016	24.04.2017 – 29.04.2017
	Theory	16.11.2016	05.05.2017

Sl. No	Contents	Academic Year 2016-2017	
		ODD	EVEN
	Reopening of I Year	29.07.2016	02.01.2017
	IA1	15.09.2016-20.09.2016	20.02.2017-27.02.2017
	IA2	20.10.2016-26.10.2016	03.04.2017-11.04.2017
	IA3	23.11.2016-27.11.2016	17.04.2017-19.04.2017
	Last Working Day	03.11.2016	29.04.2017
	Practical	01.12.2016	24.04.2017 – 29.04.2017
	Theory	11.12.2016	03.05.2017

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

STUDENT CENTERED 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

BEST PRACTICE II

1. Title of the Practice

INTERNAL QUALITY ASSURANCE CELL [IQAC]

a. Action Plan

b. Internal Academic Audit

The Internal Quality assurance Cell (IQAC) has been established in the College at the instance of the National assessment and accreditation Council (NAAC) as a post accreditation quality sustenance measure. The IQAC is to channelize and systematize the efforts and measures of an institution towards academic excellence. As per the guidelines of UGC, the IQAC cell is constituted in our college. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in overall performance of the Institution. IQAC meetings are conducted once in a quarter and with external members at the end of every academic year to discuss the plans and activities of the college. The IQAC has become a driving force for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality. Regular internal audits were conducted to ensure effectiveness of teaching learning.

2. Objectives of the Practice

IQAC will facilitate / contribute:

- To a heightened level of clarity and focus in institutional functioning towards quality enhancement and facilitate internalization of the quality culture.
- To the enhancement and integration among the various activities of the institution and institutionalize many good practices.
- To provide a sound basis for decision making to improve institutional functioning.
- To act as a change agent in the institution.
- To better internal communication.

3. The Practice

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevance and quality of academic and research programmes.
- Equitable access to and affordability of academic programmes for various sections of society.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedures.
- Ensuring the adequacy, maintenance and functioning of the support structure and services.
- Research sharing and networking with other institutions in India and abroad.

Students who join in SNS Defence Academy are given coaching not only for Defence exams but also for Banking, Railway, Police, BSF, CISF, State and Central government jobs. The coaching is useful for all competitive exams. Our request to parents & aspiring students is to take the right decision at the right time and make their future bright. About 100 students both girls and boys are in the first batch of SNS Defence Academy training.

******* AQAR 2016-2017 *******