Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SNS COLLEGE OF TECHNOLOGY**
Name of the head of the Institution	**Dr.S.Chenthur Pandian**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04222666264**
Mobile no.	**7550316705**
Registered Email	**snsct@snsgroups.com**
Alternate Email	**principal@snsct.org**
Address	**Sathy Main Road, Vazhiyampalayam, Saravanampatti Post, Coimbatore**
City/Town	**Coimbatore**
State/UT	**Tamil Nadu**
Pincode	**641035**

2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Aug-2012**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.L.M.Nithya**
Phone no/Alternate Phone no.	**04222666264**
Mobile no.	**9994681177**
Registered Email	**iqac@snsct.org**
Alternate Email	**iqacsnsct@gmail.com**

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://snsct.org/sites/snsct.org/files/basic_page_attachments/SNSCT%20IQAC%20AQAR%202017-18_1.pdf
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://snsct.org/sites/snsct.org/files/basic_page_attachments/Academic%20calender%202018%2019%20odd%20sem_1.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.02**	**2012**	**05-Jul-2012**	**04-Jul-2017**
2	**A+**	**3.51**	**2017**	**12-Sep-2017**	**11-Sep-2022**

6. Date of Establishment of IQAC	**15-Sep-2012**

7. Internal Quality Assurance System	

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC Quarterly Meeting I Preparation of 2018-19 Action Plan with benchmarks	29-Jun-2018 2	30
IQAC Quarterly Meeting II	08-Sep-2018 1	21
IQAC Quarterly Meeting III	05-Jan-2019 1	22
IQAC Quarterly Meeting IV	25-May-2019 1	16
Collection and analysis of Stake holders feedback and forwarded it to CDC/BoS for necessary action	20-Dec-2018 1	45
External Academic and Administrative Audit	29-Jun-2018 1	16
Submission of Data to NIRF	06-Dec-2018 1	16
Submission for CEGR Awards	10-Jan-2019 1	16
Establishment of Centre of Excellence in Robotic Process Automation - BOT LAB in association with Automation Anywhere University	06-Feb-2019 1	10
Short Term Training Programme on NBA Accreditation in association with National Institute of Technical Teachers	22-Apr-2019 5	40
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. S. Karthik	FDP	AICTE	2019 6	605000
Dr.P.Tamilselvam Mr.C.Chinnasamy Mr.C.SenthilKumar	FDP	AICTE	2019 6	572000

Mr. S. Prince Samuel	National Level Workshop	CSIR	2018 2	45000
Dr. T. Ravichandran Mr.Karthikeyan	Entrepreneurship Awareness Camp (EAC)	EDII/DST-NIMAT/NSTEDB	2018 3	20000
Dr.P.Tamilselvam Mr.C.SenthilKumar	National Level Workshop	IE(I)	2019 2	20000
Dr.P.Tamilselvam Mr.M.Sureshkumar	National Level Seminar	IE(I)	2019 2	20000
Dr.M.Subramanian	National Level Workshop	CSIR	2018 2	15000
Mr. S. Vasanthaseelan	Student Project Scheme	TNSCST	2018 365	7500
Mechatronics Department	Project Life Course	MGNREGS	2018 60	162000
Dr.P.Tamilselvam Mr.G.Tharanitharan	MODROBS	AICTE	2019 730	1945000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Significant contributions made by IQAC during the current year (maximum five bullets) 1. IQAC has prepared a Goal Setting log book for both Individual Faculty members and Departments on 5 Pillars and target/benchmark is fixed in each pillar/metrics for effective implementation. The targets are monitored and audited every month for quality enhancement and sustenance. 5 Pillars namely: i. Learning and Teaching (ICT enabled and Activity based Learning) ii. Creativity (Research, Innovations and Entrepreneurship) iii. Industry Interaction (Internship/Inplant Training, MoU and Placement) iv. Skill and career development

(Training, Hackathon/go kart/ekart) v. Social Responsibility Initiatives (Extension) 2. Design Thinking approach is incorporated in the Curriculum, Teaching and Learning and other Innovation related activities 3. Established various linkages with Industries and Universities for collaboration activities (Training, Research, Placement and Entrepreneurship). No. of Linkages:160 MoUs:92 4. More number of Capability Building Programs for teachers and students in association with Professional bodies and Industries (No. of Programmes organized: 175) 5. IQAC worked continuously for disseminating various policies and procedures of AICTE/UGC/MHRD to all the stakeholders for effective implementation in all the areas. IQAC continuously worked for collecting and organizing quantitative and qualitative data from every unit of the department and institution for applying various ranking and accreditation agencies.

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

Plan of Action	Achivements/Outcomes
To improve the academic results and Placement	• Graduate Rate : 88.7 • Placement : 78 • Industry based curriculum (Infosys) • Design Thinking based curriculum framework for R2019
To enhance Quality in Teaching methodologies	• Design Thinking based delivery methods • Following a defined classroom structure • ICT enabled delivery by all teachers • Interactive class room • Methodologies adopted: Industry Cases, Role Play, Mind-mapping, Debate, Brainstorming, Demo Models, Simulations, Videos etc • Student engagement techniques: Quiz, mind games, puzzles, online tools(Kahoot, Plickers etc) • NPTEL Videos
To improve Innovation and creativity of Students	• Design Thinking Workshops to Students • FORGE-iStart & iCamp • Students Exchange /summer internship @ IITs • Selected for final round of Smart India Hackathon • Journal Publications :178 • Conferences: 322 • Symposia:268 • Industrial Main Projects: 248 • Industrial visits :333 • Inplant Training: 974
To Enhance Industry Institute Collaborative Activities	• Establishment of Centre of Excellence in Robotic Process Automation – BOT LAB in association with Automation Anywhere University • No. of MoUs : 126 [86 New] o Outcome of MoUs : IPT/Internships/ Faculty Training etc • Placement % : 78% • Internship: 1431 • Industrial Projects: 248 • Notable MoU with Industries • Forge • Automation Anywhere

To Conduct more national level seminars/workshops by all departments.	• International Conference: 1 • Research Conclave:1 • National Conferences:10 • Workshops/Seminars: 110 • Guest Lectures: 118 • Faculty Development Programmes: 45
To augment Quality International Journal Publications by faculty	• International Journals: 180 • International Conferences : 92 • National Conferences:50 • Scopus: 85 • Web of Science:15
To improve filing of Patents /copyrights	• Patents Published: 20 • Design Patents Granted:4
To conduct Internal & External Academic Audit, Log book Verification, External Audit	Done regularly

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	**24-Aug-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2018**

Date of Submission	**11-Jan-2019**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The College has a fullfledged 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 automated and the information 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. All relevant information about the college is published on the college website for reference. Some forms of MIS which are practiced now: 1. Daily Absent Report (Staff Students) 2. Monthly Report (Dept Wise) 3. IQAC Monthly Presentation 4. Management Review Meetings 5. Budget Meetings 6. IQAC Quarterly Meetings 7. Semester Progress Report 8. Annual Report 9. Academic and Administrative audit and Action Taken Modules currently operational in MIS are 1. Admission Module 2. Fee Module 3. Attendance Module 4. IA Module 5. Courseware Module 6. COE Module 7. Library Module 8. Student Module 9. Faculty Module 10. Alumni Module 11. Corporate Relation Module

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	BEEE	Electrical and Electronics Engineering	01/12/2018
BE	BEEC	Electronics and Communication Engineering	07/07/2018
BE	BEEI	Electronics and Instrumentation Engineering	01/12/2018
BE	BEME	Mechanical Engineering	01/12/2018
BE	BEMC	Mechatronics Engineering	07/12/2018
BE	BEMU	Mechanical and Automation Engineering	01/12/2018
BTech	BTIT	Information Technology	14/07/2018
ME	MECS	Computer Science and Engineering	14/07/2018
ME	MEST	Structural Engineering	10/07/2018
ME	MESW	Software	14/07/2018

			Engineering	
ME	MEPS	Power System Engineering	07/07/2018
ME	MECS	Communication Systems	07/07/2018
ME	MEVL	VLSI Design	07/07/2018
ME	METE	Thermal Engineering	01/12/2018
Mtech	MTIT	Information Technology	14/07/2018
MBA	MBA	MBA	05/12/2018
MCA	MCA	MCA	07/07/2018
BE	BEAE	Aeronautical Engineering	07/12/2018
BE	BEAU	Automobile Engineering	07/12/2018
BE	BEAG	Agriculture Engineering	10/07/2018
BE	BEBM	Bio-Medical Engineering	01/12/2018
BE	BECE	Civil Engineering	10/07/2018
BE	BECP	Civil Engineering and Planning	10/07/2018
BE	BECS	Computer Science and Engineering	14/07/2018

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Aeronautical Engineering	04/08/2018	16AE213 Mechanics of Machines	07/12/2018
BE	Agriculture Engineering	04/08/2018	16AG203 - Surveying and Leveling	21/06/2018
BE	Automobile Engineering	04/08/2018	AU 421 - Vehicle Air-Conditioning	07/12/2018
BE	Bio-Medical Engineering	04/08/2018	16BM224 - Bio Control System	18/12/2018
BE	Electrical And Electronics Engineering	04/08/2018	16EE204 - DC Machines and Transformers	01/12/2018
BE	Civil Engineering	04/08/2018	16CE317 - Housing Planning and Management	10/07/2018

BE	Computer Science and Engineering	04/08/2018	16CS202 – Software Engineering	14/07/2018
BE	Electronics and Communication Engineering	04/08/2018	16EC355 – Radar and Navigational Aids	07/07/2018
BE	Mechanical Engineering	04/08/2018	16ME204 – Manufacturing Technology – I	01/12/2018
BE	Mechatronics Engineering	04/08/2018	16MC320 - CNC Technology	07/12/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Aeronautical Engineering : Basic Aeronautical Engineering, Introduction to Aircraft System and Engines, Aircraft Systems and Engines	07/12/2018
BE	Civil Engineering : Total Station, Construction in Field Practices, Valuation, Project Management, Building modelling using software	10/07/2018
BE	Computer Science and Engineering : Front End Technologies, Agent Based Intelligent Systems, Real Time Systems Design, Cyber Security, Data Visualization, Open Source Systems, Social Network Analysis, Big data Analytics, Knowledge Based Decision Support Systems, Software Quality Management, Information Retrieval, Ethical Hacking	14/07/2018
BE	Electronics and Communication Engineering : Display Systems, Electronic material Technology, Cryogenic Technology and Space Applications, Electronic packaging, Illumination Engineering, Basics of Arduino Microcontroller,	07/07/2019

		Photonics, Active circuit and systems	
BE	Electronics and Instrumentation Engineering : System Design and Development Laboratory	01/12/2018
BE	Mechanical Engineering : Machine Drawing, Six Sigma, Logistics Management, Casting Simulation, Industry 4.0, Product Design And Manufacturing, Rapid Manufacturing, Welding Processes, Introduction to Industry 4.0 and Industrial Internet of Things, IC Engine &Gas turbine, Theory And Practice Of Non Destructive Testing, Joy of Computing Using Python, Introduction to Machining Fluids	01/12/2018
BE	Mechatronics Engineering : Applied Instrumentation and Control System (Theory cum Practical Course), Mechanical Design, Industrial Electronics and Applications, Applied Mechatronics Engineering, Applied Mechatronics Laboratory, Industrial Automation, Composite Materials, Industrial Networking, New and Renewable Energy Technologies, Machine Interface Design, Internet of Things and Smart Manufacturing, Process Planning and Product Development, Machine Drawing, Autotronics	07/12/2018
BTech	Information Technology : Enterprise Resource Planning, Soft computing, Internet of Things, Data Visualization	14/07/2018
MBA	MBA : International Business, Risk Management and Insurance, Banking	05/12/2018

	Management, Organisational Theory, Design and Development, Strategic Human Resource Management, Brand Management, Rural Marketing, Data Analytics Using R, Financial Analytics, HR Analytics, Social Network Analytics, Business Process Analytics, Supply Chain Analytics	
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aeronautical Engineering	04/08/2018
BE	Automobile Engineering	04/08/2018
BE	Agriculture Engineering	04/08/2018
BE	Bio-Medical Engineering	04/08/2018
BE	Civil Engineering	04/08/2018
BE	Civil Engineering and Planning	04/08/2018
BE	Computer Science and Engineering	04/08/2018
BE	Electrical and Electronics Engineering	04/08/2018
BE	Electronics and Communication Engineering	04/08/2018
BE	Electronics and Instrumentation Engineering	04/08/2018
BE	Mechanical Engineering	04/08/2018
BE	Mechatronics Engineering	04/08/2018
BE	Mechanical and Automation Engineering	04/08/2018
BTech	Information Technology	04/08/2018
ME	Computer Science and Engineering	04/08/2018
ME	Structural Engineering	04/08/2018
ME	Software Engineering	04/08/2018
ME	Power System Engineering	04/08/2018
ME	Communication Systems	04/08/2018
ME	VLSI Design	04/08/2018
ME	Thermal Engineering	04/08/2018

Mtech	Information Technology	04/08/2018
MBA	MBA	04/08/2018
MCA	MCA	04/08/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soild Works	07/12/2018	21
Non Destructive Testing	07/12/2018	24
CATIA V5	07/12/2018	16
ANYSIS	07/12/2018	16
Design and Installation of Drip system for Crops	10/07/2018	23
Value addition of fruits, vegetables or millets	10/07/2018	23
Introduction to Nanotechnology	01/12/2018	15
Hospital Management	01/12/2018	15
IoT in healthcare	01/12/2018	15
Introduction to MEMS	01/12/2018	15
Revit Architecture	10/07/2018	52
R Programming	14/07/2018	138
Ruby on Rails	14/07/2018	152
Data Analytics using Python	14/07/2018	148
Arduino with IOT	14/07/2018	146
AB / DELTA PLC and SCADA Interface	07/07/2018	50
IoT using node MCU	07/07/2018	45
Arduino Programming for Real time Applications	07/07/2018	62
Basics of Arduino Programming for Mini project	07/07/2018	50
Mobile Phone Servicing	01/12/2018	138
Embedded System with IoT	01/12/2018	160
CMOS Digital Analog Circuit Design Using Open Source Platform	01/12/2018	56
Cyber security and IoT	01/12/2018	80
Introduction to Arduino	01/12/2018	20
Basics of Raspberry Pi	01/12/2018	20
Industrial Safety Field Instruments	01/12/2018	20

Industrial Robotics	01/12/2018	15
Piping Instrumentation	01/12/2018	15
Distributed Control System	01/12/2018	11
ANSYS	01/12/2018	68
AutoCAD	01/12/2018	79
Heating Ventilation Air Conditioning Refrigeration	01/12/2018	101
3D Printing	01/12/2018	72
Fusion 360 (Design for Urban Drones)	01/12/2018	66
Internet of Things	01/12/2018	74
Industrial Automation	01/12/2018	103
Solar PV Installation and applications for Domestic needs	01/12/2018	40
CATIA	07/12/2018	18
Jigs Fixtures	07/12/2018	49
MASTER CAM X5	07/12/2018	43
IoT Google Assistance with AR	07/12/2018	21
H/W Trouble Shooting	14/07/2018	60
Introduction to R Programming	14/07/2018	65
Robotic Process Automation	14/07/2018	37
Banking and Insurance	05/12/2018	15
Business Analytics	05/12/2018	65
Competency Mapping	05/12/2018	52
Currency Derivatives	05/12/2018	46
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Aeronautical Engineering	12
BE	Automobile Engineering	40
BE	Agriculture Engineering	59
BE	Bio-Medical Engineering	86
BE	Civil Engineering	58
BE	Civil Engineering and Planning	16
BE	Computer Science and Engineering	210

BE	Electrical and Electronics Engineering	59
BE	Electronics and Communication Engineering	151
BE	Electronics and Instrumentation Engineering	50
BE	Mechanical Engineering	664
BE	Mechatronics Engineering	58
BE	Mechanical and Automation Engineering	90
BTech	Information Technology	106
MBA	MBA	178
MCA	MCA	23
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The college has a formal mechanism to obtain feedback from the students regularly regarding the curriculum and syllabi and the method of delivery by the faculty concerned. The College has a three tier feedback system to ensure that the Programs and student services cater to the specific needs of the community and all its Stakeholders. Feedback are obtained from different stakeholders to make major decisions regarding curricula like addition of new programme, revision of the existing courses and including new courses. Stakeholders input from student Alumni, Industry and Academic expert are sought in development of the curriculum. This ensures that the curriculum developed encompasses component of employability, skill, research, thrust areas, socially relevance and addresses societal needs appropriately. Feedback collected from Alumni and employers are used to measure the attainment of program educational objectives and to modify the curriculum to include the real time applications. These feedback are considered by the curriculum development committee. Periodically the Curriculum Development Committee of the respective program reviews the syllabus, based on the feedback collected from various stake holders 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 syllabus. On an average of 30-40 of 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. Importance is given to identify the areas where a graduate needs more improvement to perform as per expectations Feedback are collected from students, faculty members, employers,

academic peers and Parents on curricula and syllabi. During the course of study, the class committee meeting is conducted atleast two times in a semester. The committee consists of 6 students who representing the academic and non academic problems in the meeting. Based on this feedback received on the curriculum and content of the courses due consideration was given by the curriculum development committee. Notable Feedback by Expert members In 7th Academic council meeting, Industry Nominee Mr.Rakeshkumar, suggested to introduce more online courses on Management studies to enhance managerial skills of the students, Online courses related to management studies were identified and shared among the students and motivated them to learn it. Dr.K.S.Eshwarakumar, suggested the departments to help the students to secure Internship with industries during the summer and winter vacations. All faculty members are visiting industries and association is made with industries to support their respective wards in getting Internship and Industry projects.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Aeronautical Engineering	60	23	9
BE	Automobile Engineering	60	42	15
BE	Agriculture Engineering	60	52	31
BE	Bio-Medical Engineering	60	65	37
BE	Civil Engineering	60	38	19
BE	Computer Science Engineering	180	237	143
BE	Civil Engineering and Planning	60	11	2
BE	Electrical and Electronics Engineering	60	72	35
BE	Electronics and Communication Engineering	180	174	94
BE	Electronics and Instrumentation Engineering	60	25	6
BE	Mechanical Engineering	180	175	76
BE	Mechatronics Engineering	60	91	39
BE	Mechanical and Automation	60	21	4

	Engineering			
BTech	Information Technology	60	137	51
ME	Computer Science and Engineering	18	15	7
ME	Structural Engineering	18	45	18
ME	Power System Engineering	18	2	0
ME	VLSI Design	18	15	7
ME	Thermal Engineering	18	16	6
Mtech	Information Technology	18	5	1
MBA	Master of Business Administration	120	215	119
MCA	Master of Computer Applications	60	26	13
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3374	275	211	23	63

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
297	297	10	73	16	35
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

The College has a monitoring system comprising of counsellors/ mentors/ advisors for each student for academic, personal and psycho-socio guidance. This enables the students to express/ share their academic and personal difficulties with their respective faculty member, Advisor and Mentors. The college follows mentor-mentee system for counselling, mentoring and to improve the academic performance of the students as well as to understand and solve personal issues of the students. Each class has a class advisor who also acts as a mentor for a group of students. Each mentor is allotted with 15 to 20 students to provide academic, personal and

psycho-socio support and guidance. The mentor maintains all particulars of students in a progress card (Green card - UG/ Blue card-PG) and the counselling records. Two offices hours are maintained by each faculty during which the faculty stays after college hours for counselling the students which helps the faculty to have individual attention for the needy students. It helps the mentor to study how far a particular student has been successful in his/her academic career. Both the class advisor and mentor constantly update the progress of the student to their parents/ guardians. The mentors are guiding and supporting the students to enhance academic, co-curricular and extracurricular activities. It helps the students to clarify their doubts and to get know the available opportunities for their career development. In association with the mentees, the mentor assigns the target on co-curricular, extracurricular and other activities at the beginning of the every academic year. The progress of the mentee on the targets is monitored and reviewed frequently to achieve the goals and the same is documented. Mentors encourage, create interest and guide the students to enroll for MOOC/ NPTEL courses and top contests in national/international level. The achievers are encouraged to attend extra classes to cope up with their peers. The progress of the students is periodically informed to their parents through phone call or SMS and parent meeting is arranged during the need of hour. The students, who are having personal problems, are guided to meet the special counsellor so as to resolve the concerns. Through this mentor-mentee system the institution assures a constructive professional relationship between students and the faculty. Apart from this every teacher is engaged in academic mentoring twice in a week during mandatory office hours which is scheduled after regular working hours of the college. Office hours enables the student to clarify his/her specific questions related to a course with the course teacher. Course teachers guide the students to take up the events / courses outside the college related to the course. They mentor the students in publications outside the college. This system provides an extra platform to devise a different kind of delivery required for future on certain specific topics which has been clarified.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3649	297	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
273	297	0	71	65

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Ms.P.Poonkodi-State Level	Assistant Professor	Best Performer Nandha Infotechf
2018	Mr.M.Karthick-State Level	Assistant Professor	Best Faculty awardAccent Techno Soft
2018	Dr.R.Senthilkumar - State Level	Associate Professor	Shri P K Das memorial Best Faculty Award (Senior) Nehru Institutions
2018	Mr.R.VjayakumarState Level	Assistant Professor	Shri P K Das memorial Best Faculty Award (Junior) Nehru Institutions
2018	S.Ganesan - International Level	Assistant Professor	Research Under Literal Access

			(RULA) International Awards
2019	Dr.O.R.Kavitha	Associate Professor	Best Faculty award – VKP GeoTech
2018	Dr.R. Raja ranganathan – State Level	Associate Professor	Faculty awardAccent Techno Soft
2018	Dr.Shanthi Selvaraj – International Level	Associate Professor	IEEE WIE international Leader Summit/ Speaker IEEE BANGLADESH SECTION PROGRAM CHAIR, IEEE WIE ILS
2018	Mr.S.Sathish Kumar – State Level	Assistant Professor	Best PerformerTTT, Salem, Infosys
2019	Mr.P.Divya Kumar National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2018	Mr.C.B.Sivaparthiban –National Level	Assistant Professor	Best PerformerFEP, Bengaluru, Infosys
2018	Mrs. R. Prabha National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr.S. Vigneshwaran National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr. A. Anandharaja National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr.M. Jagadesh National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	V.Ranjithkumar – International Level	Assistant Professor	Research Under Literal Access (RULA) International Awards
2018	S.Jagadhish –	Assistant Professor	Research Under

	International Level		Literal Access (RULA) International Awards
2018	P.Arunkumar – International Level	Assistant Professor	Research Under Literal Access (RULA) International Awards
2019	Ms.S.Sathya National Level	Assistant Professor	Elite – NPTEL Ministry of HRD Gov of India
2019	Mrs.M.Deepika Sree National Level	Assistant Professor	Elite – NPTEL Ministry of HRD Gov of India
2018	Dr.R.Sabitha- State Level	Associate Professor	Best Faculty awardNandha Infotech
2018	Dr.P.Tamilselvam National Level	Dean	AUTODESK Professional certification completed
2018	Dr.T.Prakash National Level	Associate Professor	AUTODESK Professional certification completed
2018	Dr.R.Ranjith National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.G.Tharanitharan National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.C.Somu National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.B.Karthick National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.P.Janagarathinam National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.R.Karthikeyan National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.B.K.Saravanan National Level	Assistant Professor	AUTODESK Professional

			certification completed
2018	Mr.Pratik Kumar National Level	Assistant Professor	AUTODESK Professional certification completed
2018	Mr.P.Mohankumar – National Level	Assistant Professor	Young Researcher Award, Research Under Literal Access (RULA)
2018	Mr.R.Yasodharan– National Level	Assistant Professor	Appreciation Award, Texas Instruments
2018	Ms.T.Kousalya– National Level	Assistant Professor	Elite Gold, Introduction to IoT, NPTEL Ministry of HRD Gov of India
2018	Mr.A.Vishnu– National Level	Assistant Professor	Elite, Introduction to IoT, NPTEL Ministry of HRD Gov of India
2018	Ms.T.Kousalya– National Level	Assistant Professor	NPTEL Course completed with Elite Gold
2018	Mr.M.Udhayamoorthi –State Level	Assistant Professor	Best Teacher AwardGrabs Educational and Charitable Trust, Chennai
2019	Dr.L.M.NithyaNational Level	Professor	ELITE NPTEL Online CertificationNPTEL (Funded by Ministry of HRD)
2019	Dr.J.Rajeshkumar State Level	Assistant Professor	Best Influenzer SNS Charitable Trust
2018	Dr.P.Krishnaveni –State Level	Associate Professor	Best Faculty Award Lions ClubCash Rs.2000
2018	Dr.V.Prabakaran –State Level	Assistant Professor	Best Paper Award Nehru College of Arts and Science Cash Rs.2000
2018	Mr.E.Mohanraj State Level	Assistant Professor	Best Faculty Award RVS College of Arts and ScienceRs.2000
2018	E.Yuvarani –National Level	Assistant Professor	Elite, NPTEL Ministry of HRD Gov of India
2018	Dr.P.Naresh Kumar –National Level	Assistant Professor	Innovative Research (Physics) and Dedicated Academician Award The Society of

2018	Dr.P.Naresh Kumar-National Level	Assistant Professor	Innovative Educationalist and Scientific Research Professional, Chennai
2018	Dr.P.Naresh Kumar-National Level	Assistant Professor	Young Researcher in Physics Award" Global Outreach Research Education Association
2018	Dr.P.Naresh Kumar-National Level	Assistant Professor	IARDO Award for Young Scientist2018" International Association of Research and Developed Organization Gurukul Institute of Engineering and Technology, Kota.
2018	Dr.R.Karthick – International Level	Associate Professor	RULA International Awards 2018 for "Innovative Researcher in Electrical Systems" RULA
2018	Dr.R.Senthilkumar-International Level	Associate Professor	Paper publication in reputed journal 201819
2018	Mr.R.Vjayakumar-International Level	Assistant Professor	Paper publication in reputed journal 201819 SNS Institutions
2018	Mr.G.Naveen Balaji National Level	Assistant Professor	YOUNG SCIENTIST2018 Award International Centre, Dona Paula, Panjim,Goa
2018	Mr.G.Naveen Balaji National Level	Assistant Professor	Outstanding Researcher Award 2018 International Institute of Organized Research
2018	Dr. B.Sivasankari National Level	Associate Professor	Excellence Researcher in VLSI award RULA FEST, Trichy
2018	Dr. J. Ajayan National Level	Assistant Professor	Best Young Researcher in Nanoelectronic Semiconductor Devices award RULA FEST, Trichy

2018	Mr.S. Vigneshwaran International Level	Assistant Professor	Active Young Researcher Award International research Publication
2018	Mr.A.Karthikeyan International Level	Assistant Professor	Bright Researcher Award 2018 International Institute of Organized Research
2018	Ms.Karthika A National Level	Assistant Professor	ELITE Certification in NPTEL FDP
2018	Mr. T. Prabhu National Level	Assistant Professor	ELITE Certification in NPTEL FDP
2018	Mrs.S. Prema National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr. M. Saravanan National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr. S. Saravanan National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mrs.A. Gautami National Level	Assistant Professor	Appreciation Award for India Innovation Challenge Design Contest 2018 – Texas Instruments
2018	Mr.S.Vinoth Kumar –National Level	Assistant Professor	Best Young Faculty Award GRABS Educational Charitable Trust, Nanganallur, Chennai
2018	Dr.C.Chandru Vignesh –National Level	Assistant Professor	Best PerformerFEP, Bengaluru, Infosys
2018	Dr.S.Vinoth Kumar State Level	Assistant Professor	Best PerformerTTT, Salem, Infosys
2018	S. Prince Samuel – International level	Assistant Professor	Research Under Literal Access (RULA) International

			Awards
2018	K. Ranjani -International level	Assistant Professor	Research Under Literal Access (RULA) International Awards
2018	Dr.P.Tamilselvam – International level	Dean	Distinguished Professor and head award 18 RULA International awards
2018	Dr.T.Prakash -International level	Professor	Distinguished Professor and Head Award 18 RULA International awards
2018	Dr.T.Prakash -International level	Professor	Certificate of Lifetime Membership International Journal for Research under Literal Access
2018	Mr.C.Senthilkumar-International level	Associate Professor	Distinguished Researcher award 18 RULA International awards
2018	Mr.M.Naveenkumar – National Level	Assistant Professor	Excellence Teaching in Higher Education by DK International Research Foundation
2018	Mr.P.Divyakumar National Level	Assistant Professor	NPTEL Course completedMinistry of HRD Gov of India
2018	Mr.M.Saravanakumar National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mr.J.Selvakumar National Level	Associate Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2018	Mr.M.Mohamed Ariffuddeen National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mr.M.Sureshkumar National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mrs.M.Sindhukavi National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2018	Mr.C.Somu National Level	Assistant Professor	NPTEL Course completed with

			Elite Ministry of HRD Gov of India
2018	Mr.U.Karthik National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2018	Mr..B.Karthick National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mr.R.Karthikeyan National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mr.Pratik kumar National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Dr.M.Subramanian National Level	Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Dr.T.Prakash National Level	Associate Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Mr.T.Venkatajalapathi National Level	Associate Professor	NPTEL Course completed with Elite Silver grade Ministry of HRD Gov of India
2019	Mr.G.Tharanitharan National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.A.Vimalkodeeswaran National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.M.Mohamed Ariffudeen National Level	Associate Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.B.Karthick National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Mrs.M.Sindhukavi National Level	Assistant Professor	NPTEL Course completed with Elite Silver grade Ministry of HRD Gov of India
2019	Mr.R.Karthikeyan National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.K.Prakash National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India

2019	Mr.S.Hemnath National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.P.Janagarathinam National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.T. Pravin National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Mr.V.S.Kaushik National Level	Assistant Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Mr.A.Natarajan National Level	Associate Professor	NPTEL Course completed with Elite Ministry of HRD Gov of India
2019	Mr.U.Karthick National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2019	Mr.A.Vetrivel National Level	Assistant Professor	NPTEL Course completed Ministry of HRD Gov of India
2018	Mr.A.Nagamani National Level	Associate Professor	NPTEL Minstry of HRD Gov of India
2018	Mr.M.SasiKumar – National Level	Assistant Professor	NPTEL Minstry of HRD Gov of India
2018	Mr.S.Vasanthaseelan – International Level	Assistant Professor	IEEE Best Paper Award
2018	Mr.V.Rajesh National Level	Assistant Professor	Best Paper Award Sri Ramakrishna Engineering College
2018	Dr.S.Kalaiselvan–National Level	Assistant Professor	Innovative Research (Chemistry) and Dedicated Academician Award The Society of Innovative Educationalist and Scientific Research Professional, Chennai.
2018	Dr.S.Kalaiselvan–National Level	Assistant Professor	Young scientist Award IRDP group of journals Chennai
2018	Dr.S.Kalaiselvan–National Level	Assistant Professor	Best reviewer of the year 2018Material science research. New Delhi

2018	Dr.S.Kalaiselvan–National Level	Assistant Professor	Best citizens of IndiaInternational Publishing house, New Delhi.
2018	Mr.M.Ravi–National Level	Assistant Professor	Topper in NPTEL online course Introduction to R software and secured 97 Funded by Ministry of HRD
2018	Mr.M.Ravi–National Level	Assistant Professor	Topper in NPTEL online course Discrete Mathematics and secured 90 Funded by Ministry of HRD)
2018	Mr.M.Ravi National Level	Assistant Professor	Topper in NPTEL online course Transform techniques for Engineers and secured 99 Funded by Ministry of HRD)
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester- end/ year- end examination
BE	BEMU	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BTech	BTIT	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEAE	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEAU	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEAG	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEBM	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BECE	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BECP	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BECS	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEEE	I,III, V, VII/	10/01/2019	25/01/2019

		I,II, III, IV		
BE	BEEC	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEEI	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEME	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEMC	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BE	BEMU	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
BTech	BTIT	I,III, V, VII/ I,II, III, IV	10/01/2019	25/01/2019
ME	MECS	I,III / I,II	10/01/2019	25/01/2019
ME	MEPS	I,III / I,II	10/01/2019	25/01/2019
ME	MEVL	I,III / I,II	10/01/2019	25/01/2019
ME	METE	I,III / I,II	10/01/2019	25/01/2019
Mtech	MTIT	I,III / I,II	10/01/2019	25/01/2019
MBA	MBA	I,III / I,II	10/01/2019	25/01/2019
BE	BECP	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BECS	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEEE	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEEC	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEEI	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEME	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEMC	II, IV, VI /I, II, III	17/06/2019	29/06/2019
MCA	MCA	I,III, V / I,II, III	10/01/2019	25/01/2019
BE	BEAE	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEAU	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEAG	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BEBM	II, IV, VI /I, II, III	17/06/2019	29/06/2019
BE	BECE	II, IV, VI /I, II, III	17/06/2019	29/06/2019
MCA	MCA	VI/ III	08/06/2019	29/06/2019

BE	BEAE	VIII/ IV	12/04/2019	23/04/2019
BE	BEAU	VIII/ IV	12/04/2019	23/04/2019
BE	BEAG	VIII/ IV	12/04/2019	23/04/2019
BE	BEBM	VIII/ IV	12/04/2019	23/04/2019
BE	BECE	VIII/ IV	12/04/2019	23/04/2019
BE	BECP	VIII/ IV	12/04/2019	23/04/2019
BE	BECS	VIII/ IV	12/04/2019	23/04/2019
BE	BEEE	VIII/ IV	12/04/2019	23/04/2019
BE	BEEC	VIII/ IV	12/04/2019	23/04/2019
BE	BEEI	VIII/ IV	12/04/2019	23/04/2019
BE	BEME	VIII/ IV	12/04/2019	23/04/2019
BE	MEMC	VIII/ IV	12/04/2019	23/04/2019
BE	BEMU	VIII/ IV	12/04/2019	23/04/2019
BTech	BTIT	VIII/ IV	12/04/2019	23/04/2019
ME	MECS	II / I	08/06/2019	29/06/2019
ME	MEPS	II / I	08/06/2019	29/06/2019
ME	MEVL	II / I	08/06/2019	29/06/2019
ME	METE	II / I	08/06/2019	29/06/2019
Mtech	MTIT	II / I	08/06/2019	29/06/2019
MBA	MBA	II / I	08/06/2019	29/06/2019
MCA	MCA	II / I	08/06/2019	29/06/2019
MBA	MBA	IV / II	10/06/2019	29/06/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	3649	0

2.6 – Student Performance and Learning Outcomes

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

http://www.snsct.org/?q=curriculum

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MCA	MCA	Computer APllications	23	23	100
MBA	MBA	Business Administration	63	61	97

MTIT	Mtech	Information Technology	1	1	100
MECS	ME	Computer Science and Engineering	2	2	100
MEPS	ME	. Power System Engineering	1	1	100
MEVL	ME	VLSI Design	4	4	100
METE	ME	Thermal Engineering	6	6	100
MESE	ME	Structural Engineering	11	11	100
BTIT	BTech	Information Technology	37	35	95
BEMC	BE	Mechatronics Engineering	60	51	85
BEME	BE	Mechanical Engineering	200	164	82
BEEI	BE	Electronics and Instrumentation Engineering	46	40	87
BEEE	BE	Electrical and Electronics Engineering	62	56	90
BEEC	BE	Electronics and Communication Engineering	136	123	90
BECS	BE	Computer Science and Engineering	146	134	92
BECE	BE	Civil Engineering	67	51	76
BEAU	BE	Automobile Engineering	67	45	67
BEAE	BE	Aeronautical Engineering	16	13	81
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2.7 – Student Satisfaction Survey

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

http://snsct.org/sites/snsct.org/files/u278/Students%20Satisfaction%20Survey%202018-19%5B10497%5D.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research
Yes
Name of the teacher getting seed money
SNS FACULTIES
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr.T.Prakash	Advanced studies	07/10/2018	CIT TLC, Coimbatore.
International	Mr.M.Sureshkumar	Advanced studies	07/10/2018	CIT TLC, Coimbatore.
International	Mr.A.Vimal kodeeswaran	Advanced studies	01/06/2018	NIT,Warangal, Telungana.
International	Mr.R.Karthikeyan	Advanced studies	01/06/2018	NIT,Warangal, Telungana.
International	Mr.C.Somu	Advanced studies	01/06/2018	NIT,Warangal, Telungana.
International	Mr.N.Mohan	Advanced studies	07/10/2018	KPR Engineering College, Coimbatore.
International	Mr.N.Mohan	Advanced studies	07/12/2018	KPR Engineering College, Coimbatore.
International	Mr.M.Naveenkumar	Advanced studies	14/12/2018	Aalim Muhammed Salegh college of engineering, Chennai
International	Dr.P.Naresh Kumar	IARDO Award for Young Scientist2018	28/10/2018	International Association of Research and Developed Organization Gurukul Institute of Engineering and Technology, Kota.
International	Dr.S.Kalaiselvan	Young scientist Award	30/06/2018	IRDP group of journals Chennai
International	Dr.S.Kalaiselvan	Best reviewer of the year	22/06/2018	Material science

		2018		research. New Delhi
National	Mr.P.Mohankumar	Young Researcher Award	21/01/2019	Research Under Literal Access (RULA)
International	Dr.T.Prakash	Certificate of Lifetime Membership	15/08/2018	International Journal for Research under Literal Access
International	Mr.C.Senthilkumar	Distinguished Researcher award 18	15/08/2018	RULA International awards
International	Mr.C.Senthilkumar	Distinguished Researcher award 18	15/08/2018	International Journal for Research under Literal Access
International	Mr.M.Naveenkumar	Excellence Teaching in Higher Education	30/12/2018	DK International Research Foundation
International	Mr.P.Divyakumar	Fundamentals of Manufacturing Process	30/10/2018	MHRD
International	Mr.M.Saravanakumar	Fundamentals of Manufacturing Process	30/10/2018	MHRD
International	Mr.J.Selvakumar	Fundamentals of Manufacturing Process	30/10/2018	MHRD
International	Mr.M.Mohamed Ariffuddeen	Fundamentals of Manufacturing Process	30/10/2018	MHRD
National	Dr.P.Naresh Kumar	Young Researcher in Physics Award	31/01/2019	Global Outreach Research Education Association
National	Dr.S.Kalaiselvan	Innovative Research (Chemistry) and Dedicated Academician Award	25/02/2018	The Society of Innovative Educationalist and Scientific Research Professional, Chennai.
National	Mr.R.Yasodhran	Appreciation Award	23/08/2018	Texas Instruments
National	Mr.C.B.Sivaparhiban	Best Paper Award	23/03/2019	VRS college of Engineering and Technology
National	Dr.T.Prakash	Advanced studies	30/11/2018	Autodesk
National	Dr.P.Ranjith	Advanced	30/11/2018	Autodesk

		studies		
International	Mr.S. Prince Samuel	Innovative Researcher in Embedded System	12/11/2018	Research Under Literal Access (RULA) International Awards
International	Ms.K. Ranjani	Innovative Researcher in Embedded System	12/11/2018	Research Under Literal Access (RULA) International Awards
International	Mr.N.Arul	Advanced studies	16/05/2018	IITM
National	Dr.P.Tamilselvam	Advanced studies	30/11/2018	Autodesk
National	Mr.G.Tharanitharan	Advanced studies	30/11/2018	Autodesk
National	Mr.C.Somu	Advanced studies	30/11/2018	Autodesk
National	Mr.B.Karthick	Advanced studies	30/11/2018	Autodesk
National	Mr.P.Janagarathinam	Advanced studies	30/11/2018	Autodesk
National	Mr.R.Karthikeyan	Advanced studies	30/11/2018	Autodesk
National	Mr.B.K.Saravanan	Advanced studies	30/11/2018	Autodesk
National	Mr.Pratik Kumar	Advanced studies	30/11/2018	Autodesk
National	Mrs.B.Roobini	Advanced studies	30/11/2018	Autodesk
National	Dr.R.Senthilkumar	Sri PK DAS Memorial Best Faculty Award Senior	15/12/2019	Nehru Group of Institutions
International	Mr.M.Sureshkumar	Fundamentals of Manufacturing Process	30/09/2018	MHRD
International	Mrs.M.Sindhukavi	Fundamentals of Manufacturing Process	30/09/2018	MHRD
International	Mr.R.Karthikeyan	Fundamentals of Manufacturing Process	30/10/2018	MHRD
International	Mr.C.Somu	Fundamentals of Manufacturing Process	30/10/2018	MHRD
International	Mr.U.Karthi	Fundamentals of Manufacturing Process	28/10/2018	MHRD

International	Mr.B.Karthick	Fundamentals of Manufacturing Process	07/12/2018	Anna university, Chennai
International	Mr.C.Senthikumar	Advanced studies	08/12/2018	BMS College of Engineering, Bangalore.
International	P.Tamilslevam	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	V.Karthik	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	C.Chinnusamy	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	C.Somu	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	Mr.T.Venkatajalapathi	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	M.Sureshkumar	Advanced studies	26/04/2019	National Institute of Technical Teachers Training and Research, Kolkata
International	Mr.T.Venkatajalapathi	Advanced studies	03/06/2018	Coimbatore Institute Of Technology, Coimbatore
International	Mr.V.Karthi	Advanced studies	09/06/2018	Rathinam Technical

				campus, Coimbatore.
National	Dr.P.Krishnaveni	Shri P K Das Memorial Best Faculty Award	15/12/2018	Nehru Group of Institutions
National	Dr.P.Naresh Kumar	Innovative Research (Physics) and Dedicated Academician Award	25/02/2018	The Society of Innovative Educationalist and Scientific Research Professional, Chennai
National	Dr.S.Kalaislvan	Best citizens of India	22/01/2019	International Publishing house, New Delhi.
International	Mr.V.Balasundaram	Distinguished Researcher Award of the Year	12/11/2018	Research Under Literal Access (RULA) International Awards
International	Dr.T.Prakash	Distinguished Professor and head award 18	15/08/2018	RULA International awards
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	Accent techno soft	0.1	0.1
Industry sponsored Projects	365	Accent techno soft	0.3	0.3
Industry sponsored Projects	365	Accent techno soft	0.3	0.3
Industry sponsored Projects	365	Vasantham Industries	0.75	0.75
Industry sponsored Projects	365	Best Mansion	0.11	0.11
Major Projects	365	AICTE	2.84	2.27
Students Research Projects (Other than compulsory by the University)	365	SNS College of Technology	0.5	0.5

Students Research Projects (Other than compulsory by the University)	365	SNS College of Technology	0.5	0.5
Students Research Projects (Other than compulsory by the University)	365	Prithivi Associates	0.5	0.5
Industry sponsored Projects	365	Fliptech Solutions	0.15	0.15
Interdisciplinary Projects	365	DST	0.48	0.48
Minor Projects	365	SNS College of Technology	0.48	0.45
Minor Projects	365	SNS College of Technology	0.41	0.4
Minor Projects	365	SNS College of Technology	0.66	0.65
Minor Projects	365	SNS College of Technology	0.47	0.45
Minor Projects	365	SNS College of Technology	0.15	0.15
Minor Projects	365	SNS College of Technology	1	1
Major Projects	1090	AICTE MODROBS	14.92	11.92
Major Projects	365	SNS Institution	0.32	0.32
Students Research Projects (Other than compulsory by the University)	365	Kaarveens Structural Consultancy	0.5	0.5
Students Research Projects (Other than compulsory by the University)	365	Casagrand Builder Private Limited	0.5	0.5
Students Research Projects (Other than compulsory by the University)	365	Beam Way consultancy	0.5	0.5
Students Research	365	Green Engineering	0.5	0.5

Students Research Projects (Other than compulsory by the University)				
Students Research Projects (Other than compulsory by the University)	365	Green Engineering	0.5	0.5
Students Research Projects (Other than compulsory by the University)	365	Diesel Machinery Works	0.5	0.5
Students Research Projects (Other than compulsory by the University)	365	TNSCST	0.35	0.35
Projects sponsored by the University	365	SNS College of Technology	0.3	0.3
Projects sponsored by the University	365	SNS College of Technology	0.2	0.2
Projects sponsored by the University	365	SNS College of Technology	0.25	0.25
Projects sponsored by the University	365	SNS College of Technology	0.25	0.25
Projects sponsored by the University	365	SNS College of Technology	0.89	0.89
Industry sponsored Projects	365	Aram Foundation	1.25	1.25
Industry sponsored Projects	365	Aram Foundation	1.25	1.25
Industry sponsored Projects	730	Industry	1.5	1
Industry sponsored Projects	730	Industry	2.5	1
Industry sponsored Projects	365	Inteleven Technologies	1.25	0.95

Industry sponsored Projects	365	Ramya Engineering	0.1	0.1
Industry sponsored Projects	365	Arvind Enterprises	0.75	0.75
Industry sponsored Projects	365	Kovai Fibre net	0.35	0.35
Industry sponsored Projects	365	Training the trains	0.75	0.75
Industry sponsored Projects	365	Dharani Herbals	0.3	0.3
Industry sponsored Projects	365	Sapthagiri Constructions	0.3	0.3
Industry sponsored Projects	365	Sarathi Offset Printers	0.3	0.3
Industry sponsored Projects	365	Palamuzhir	0.2	0.2
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 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Influence of Big data in singapore Banks	Information Technology	02/07/2018
Current Issues in Intellectual Property Rights in India	Computer science and Engineering	08/10/2018
Role of Intellectual property in Entrepreneurship	Electronics and communication Engineering	09/10/2018
Successful Research Proposal Preparation Publication of Research Results In Journals	Mechatronics Engineering	20/09/2018
Patent drafting, filing and processing	Biomedical Engineering	20/09/2018
Intellectual Property Rights (IPR)	Master of Computer Applications	20/09/2019

Scope of IPR	Mechanical Engineering	13/06/2018
Intellectual Property Rights	Master of Business Administration	13/10/2018
Industrial Ethics	Mechatronics Engineering	03/04/2019
Research opportunities in DRDO	Mechanical Engineering	19/09/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Innovative Researcher of the Year	Dr.S.Ganesan	Research Under Literal Access (RULA) International Awards	12/11/2018	Research
Excellence Teaching in Higher Education	Mr.M.Naveenkumar	DKIRF Awards 2018.	30/12/2018	Research
Ansys Workbench Environment	Dr.T.Prakash	CIT TLC, Coimbatore.	07/10/2018	Academics
Electric Vehicle	Mr.C.Somu	NIT, Warangal,Telungana.	01/06/2018	Academics
Best citizens of India	Dr.S.Kalaislvan	International Publishing house, New Delhi.	22/01/2019	Research
Innovative Research (Chemistry) and Dedicated Academician Award	Dr.S.Kalaislvan	The Society of Innovative Educationalist and Scientific Research Professional, Chennai.	25/02/2018	Research
IARDO Award for Young Scientist2018	Dr.P.Naresh Kumar	International Association of Research and Developed Organization Gurukul Institute of Engineering and Technology, Kota.	28/10/2018	Research
Automatic grass cutting, fertilizer spraying and seed sowing	Ms.S. Mythili	Texas Instruments	20/11/2018	Innovation
Smart garbage system using IOT	Mr. S. Vigneshwaran	Texas Instruments	20/11/2018	Innovation

Best Young Faculty Award	Dr.S.Vinoth Kumar	GRABS Educational Charitable Trust,Nanganallur,Chennai.	02/04/2018	Research
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation center for Computer Science	Incubation center for Computer Science	SNS College of Technology	AK Tech Park	IT(BPO,Website Development)	28/12/2018
Incubation center for Electronics	Incubation center for Electronics	SNS College of Technology	Not yet	PCB Design	14/12/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biomedical Engineering	1
Civil Engineering	1
Computer Science and Engineering	11
Electrical and Electronics Engineering	2
Information Technology	2
Chemistry	1
English	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Aeronautical Engineering	6	5.87
International	Agriculture Engineering	2	5.32
International	Automobile Engineering	10	7.21
International	Biomedical Engineering	2	5.92
International	Computer science and Engineering	34	1.31
International	Electronics and communication Engineering	11	6.62
International	Electrical and Electronics Engineering	15	0.92

International	Information Technology	1	3.02
International	Mechanical and automation engineering	4	6.28
International	Mechanical Engineering	23	1.9
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physics	4
Mechanical Engineering	32
Mechatronics Engineering	6
Master of Computer Applications	1
Master of Business Administration	1
Mechanical and Automation Engineering	2
Information Technology	18
Electronics and Instrumentation Engineering	4
Electrical and Electronics Engineering	3
Electronics and communication Engineering	78
Computer science and Engineering	65
Chemistry	7
Biomedical Engineering	2
Automobile Engineering	10
Agriculture Engineering	3
Aeronautical Engineering	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Miniature Fish Descaling Machine	Filed	313722001	01/01/2019
System and method for autoimmune disease diagnosis	Published	41044632 A	07/12/2018
Blood Donor Tracking Interface and a Method Therefor	Published	41001575 A	25/01/2019
News paper vending machine	Published	41013029 A	17/05/2019
Washbowl from	Published	41029579	08/07/2018

ewaste materials				
Method and system for automatically muting headphones when unused	Published	41010118	31/10/2018
Development of portable and inbuilt system for brightness control in televisions	Published	41041073	31/10/2018
Trash soptting clean the mind software	Published	18074	01/03/2019
USB interfacing watch	Filed	310729	20/09/2018
QR Based smart licensing System for Vehicles	Filed	312744	30/11/2018
Smart Watch Predicting Ventricular Arrhythmia	Filed	315660001	22/04/2019
Telematics Based Information Delivery System on Automobiles	Published	41010424	17/05/2019
Autonomous Board Swabbing Machine	Published	41021290	15/06/2018
Link based multi positioning back seat rest in two wheelers	Published	308832	16/08/2018
Adjustable multi positioning back seat Rest for Two wheelers	Published	41036971	12/10/2018
Hybrid Unmanned Aerial Vehicle	Published	41039311	26/10/2018
Work holding component for submerged friction stir welding process	Published	312201	19/12/2018
Crystalline Thin Film for use in photovoltaic application	Filed	41046847	16/12/2018
Book Night Lamp for nonstop Learning	Filed	315159001	26/02/2019
Development of portable	Published	41000936	09/01/2019

semiautomatic coconut flesh scarper			
IoT based solar powered self lawn BOT for grass cutting system	Published	41000937	09/01/2019
Miniature Fish Descaling Machine	Filed	313722001	09/01/2019
Development of AC controller smart watch for ICU patients	Published	41041074	31/10/2018
Automated Ignition System Using Chargeable Battery for Vehicle	Filed	315174001	26/03/2019
MicroUSB Interconnecting Laptop	Filed	316457001	17/05/2019
Development of portable semiautomatic coconut flesh scarper	Published	41000936	09/01/2019
IoT based solar powered self lawn BOT for grass cutting system	Published	41000937	01/01/2019

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Investigation of DCRF and breakdown behaviour in Lg 20 nm novel asymmetric GaAs MHEMTs for future sub millimetre wave applications	Ajayan, J	International Journal of Electronics and Communications	2018	10	SNS College of Technology	4
Investigation of breakdown	Ajayan, J	Journal of Computational Electr	2018	11	SNS College of Technology	6

performance in Lg 20 nm novel asymmetric InP HEMTs for future highspeed highpower applications		onics					
Current collapse modeling in AlGaN/GaN HEMT using small signal equivalent circuit for high power appl ication	Nirmal, D.	Superlattices and Microstructures	2018	10		SNS College of Technology	5
Adsorption Behaviour of Chemically Modified Cellulose Bearing Benzothiazole Chelating Group towards Lead Ions from Water bodies	Dr.M.Manjuladevi	RASAYAN Journal of Chemistry	2019	10		SNS College of Technology	2
Carbon nanotubes synthesis properties A concise Review	Dr.S.Kalaiselvan	Journal of Applied science and Computations	2019	10		SNS College of Technology	2
Corrosion Inhibition And Adsorption Properties Of Mild Steel In 1m Hydrochloric Acid Medium By Expired	Ms.M.Narmadha	Journal of Bio Tribo Corrosion Springer	2019	12		SNS College of Technology	4

Ambroxol Drug						
Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin using Kleinia grandiflora Mediated Silver Nanoparticles	Dr.K.Kanagamani	Journal of cluster science	2019	12	SNS College of Technology	3
Data Fragmentation and Duplication in Cloud for Secure Performance	Dr.L.M.Nithya, P.Anu Priya	Indian Journal of Science and Technology	2019	10	SNS College of Technology	10
InP high electron mobility transistors for submillimetre wave and terahertz frequency applications: A review	Ajayan, J	International Journal of Electronics and Communications	2018	14	SNS College of Technology	5
Revamp energy efficiency in Homogeneous Wireless Sensor Networks using Optimized Radio Energy Algorithm (OREA) and PowerAware Distance Source Routing protocol	Thirukrishna, J.T., Karthik, S., Arunachalam, V.P	Future Generation Computer Systems	2018	10	SNS College of Technology	10
Certain Investigation on Power	Solomon, Z., Sivaparthipan,	Proceedings of IEEE Internatio	2018	16	SNS College of Technology	16

Preservation in Sensor Networks	C.B., Punitha, P., BalaAnand, M., Karthikeyan, N	nal Conference on SoftComputing and Network				
Designing statistical assessment healthcare information system for diabetics analysis using big data	Sivaparthipan, C.B., Karthikeyan, N., Karthik, S.	Multimedia Tools and Applications	2018	19	SNS College of Technology	19
Eshopping Scam Identification using Machine Learning	Anupriya, K., Gayathri, R., Balaanand, M., Sivaparthipan, C.B	Proceedings of IEEE International Conference on SoftComputing and Network	2018	19	SNS College of Technology	19
Designing a Framework for Communal Software: Based on the Assessment Using Relation Modelling	BalaAnand, M., Karthikeyan, N., Karthik, S.	International Journal of Parallel Programming	2018	39	SNS College of Technology	39

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Investigation of DCRF and breakdown behaviour in Lg 20 nm novel asymmetric GaAs MHEMTs for future sub	J Ajayan, T Ravichandran, P Mohankumar, P Prajoon and JC Pravin	AEUInternational Journal of Electronics and Communications	2018	48	9	SNS College of Technology

millimetre wave applications						
Investigation of RF and DC Performance of EMode In0.80Ga0.20As/InAs/In0.80Ga0.20as Channel based DGHEMTs for Future Submillimetre Wave and THz Applications	J Ajayan, T Ravichandran, P Mohankumar, P Prajoon, JC Pravin and D.Nirmal	IETE Journal of Research	2018	20	20	SNS College of Technology
InP high electron mobility transistors for submillimetre wave and terahertz frequency applications: A review	J Ajayan, D Nirmal, T Ravichandran, P Mohankumar, P Prajoon, L Arivazhagan and Chandan Kumar Sarkar	AEUInternational Journal of Electronics and Communications	2018	48	16	SNS College of Technology
A Review of Micromachined Sensors for Automotive Applications	P Mohankumar, J Ajayan, R Yasodharan, P Devendran and R Sambasivam	Measurement	2019	70	3	SNS College of Technology
Some properties of Multi level Groups and Multi lower level Groups	A.Senthilkumar	International journal of pure and applied mathematics	2018	20	0	SNS College of Technology
Microwave assisted green synthesis of ZNO nanorods for dye	P.Naresh Kumar	Indian Journal of Chemical Technology	2018	33	0	SNS College of Technology

sensitized solar cell application						
Data Fragmentation and Duplication in Cloud for Secure Performance	Dr.L.M.Nithya, P.Anu Priya	Indian Journal of Science and Technology	2019	33	1	SNS College of Technology
Optimized energy efficient route assigning method using related node discovery algorithm in MANET	R.Aruna, Dr.J.Shanthini	Cluster Computingthe journal of Network Software Tools and Applications, Springer	2018	35	1	SNS College of Technology
Designing a Framework for Communal Software: Based on the Assessment Using Relation Modelling	BalaAnand, M., Karthikeyan, N., Karthik, S.	International Journal of Parallel Programming	2018	8	39	SNS College of Technology
Eshopping Scam Identification using Machine Learning	Anupriya, K., Gayathri, R., Balaanand, M., Sivaparthipan, C.B	Proceedings of IEEE International Conference on SoftComputing and Network	2018	4	19	SNS College of Technology
Designing statistical assessment healthcare information system for diabetics analysis using big data	Sivaparthipan, C.B., Karthikeyan, N., Karthik, S.	Multimedia Tools and Applications	2018	4	19	SNS College of Technology

Certain Investigation on Power Preservation in Sensor Networks	Solomon, Z., Sivaparthipan, C.B., Punitha, P., BalaAnand, M., Karthikeyan, N	Proceedings of IEEE International Conference on SoftComputing and Network	2018	4	16	SNS College of Technology
Revamp energy efficiency in Homogeneous Wireless Sensor Networks using Optimized Radio Energy Algorithm (OREA) and PowerAware Distance Source Routing protocol	Thirukrishna, J.T., Karthik, S., Arunachalam, V.P	Future Generation Computer Systems	2018	8	10	SNS College of Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	46	210	16	20
Presented papers	97	26	0	0
Resource persons	0	8	9	4

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Computer science and Engineering	Lorry Tracking System	Fliptech Solutions	15000
Computer science and Engineering	Ticket Raising Software	Accent techno soft	30000
Computer science and Engineering	Online Placement Portal	Accent techno soft	30000
Computer science and Engineering	Saline Monitoring App	Training the trains	75000

Computer science and Engineering	ERP Software for Data Entry	Kuruchi Fibre net	35000
Electronics and communication Engineering	DC motor control	Aishwarya Enterprises	100000
Electronics and communication Engineering	OFDM Channel modulation and demodulation using Software defined Ratio(SFR)	Megatech Scientific Instruments	100000
Electrical and Electronics Engineering	Design of Energy Efficient Motor for pumping Application	Ramdev Motors	30000
Electrical and Electronics Engineering	Life span tester for high power motors and pumps	Beta Automation	100000
Electrical and Electronics Engineering	Development of industrial IoT based smart meter	Delving Research and Development Pvt.Ltd	25000
Electrical and Electronics Engineering	Design of shunt active power filter for solar power applications	Megatech Scientific Instruments	25000
Electrical and Electronics Engineering	Design and Development of smart energy harvester cum charger for lead acid cell using buck boost SMPS technique with Energy computer	Milltronics E Matiks	10000
Information Technology	Order Tracking software	R.K.Cotton's, Tirupur	25000
Information Technology	Controlling Software	Scube Creations, Tirupur	50000
Information Technology	Mobile App	Subam Clinic	25000
Information Technology	Billing Software	S.P Associates	10000
Master of Business Administration	Out Bound Training	SNS College of Technology	210720
Mechatronics Engineering	Automatic PCB drilling Machine	Wizzard Systems	72385
Mechatronics Engineering	Installing of CCTV Camera	Sri Radha Thirumana Mahal	60000
Mechatronics Engineering	Roaster machine – New Grade SS material (Corrosion resistance)	Virgo machines	47500

Mechatronics Engineering	CCTV Survillence system	Sri ratnam jewellers	53100
Electronics and Instrumentation Engineering	Battery Refurbishing	SNS Group of Institutions	50000
Mechanical Engineering	Technical suggestion on Machining of Aluminium composites	Suganthi Foundry	20000
Mechanical Engineering	Experimental works on diesel engine using rice bran oil	SNS College of Technology Mechanical Reserch laboratory (Resesarch Engine)	6000
Mechanical Engineering	Production Planning, Productivity Improvement	Dromos Shafts, coimbatore	50000
Mechanical Engineering	Improving Production and Quality in Foundry and Machine shop	Santhi Casting Works, Coimbatore	100000
Mechanical Engineering	Production planning and process improvements	RABWIN Industries, coimbatore	50000
Science and Humanities	Preparation of cleansing agents	SNS College of Technology	40000
Aeronautical Engineering	Design and Analysis of Worm Gear using ANSYS software.	M.M.Gears Private Limited	30000
Agriculture Engineering	Development of dual pedal operated sugarcane bud cutting machine	Melvin Engineering Works	30000
Automobile Engineering	Micro sponge obsorbtion fan	Finecot Spinning mills Pvt.Ltd, Neelipalayam,Puliyampatti,Erode.	32000
Civil Engineering	Concrete Cube Testing	Mr.R.Swaminathan (Personal)	3000
Civil Engineering	Soil Testing (SPT)	Associated Autotex Ancillaries Pvt. Ltd.	53000
Civil Engineering	Soil Testing (SPT)	Autotex Ltd, Cbe.	51000
Civil Engineering	Survey	Duvo Engineering Chennai	20000
Civil Engineering	Survey	Taja Infrastructure System	20000
Civil Engineering	Soil Testing (SPT)	CM Infrastructure	55000

| Civil Engineering | Concrete Cube Testing | Shree OMA Construction | 3500 |
| Computer science and Engineering | Android App | B ve technology | 30000 |

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr.V.Prabakaran , Ms.S.Swarnam MBA	Six Sigma	Sanuj Group of Companies	21000	7
Dr.R.Anitha Ms.R.Banu rekha MBA	Branding as a tool for growth	Prozone	21000	7
Dr.K.Thirumalai Raja Civil	Revit Architecture	KKM Soft Pvt Ltd.	3700	2
Mr.S. Santhosh CSE	Career Development Programme	Accent Techno Soft	10000	148
Mr.M. SanthoshKumar CSE	Career Development Programme	Fortune talent Transformation Technology	10000	148
Ms.K.Sangeetha, Mr.K.S.Mohan IT	How to use Smart Board for Teaching	Government School	2000	52
Ms.T.Shanmugapr iya IT	Seminar on Design Thinking	TSA Government Higher Secondary School	1500	15
Dr.J.Shanthini, Ms.K.Sangeetha, Ms.J.Vasuki IT	Workshop on Computer Fundamentals	Sirpi Tution Centre	2200	25
Dr.P.Krihsnaven i MBA	Leadership Skills	Om Namo Tex	55000	11
Dr.V.Prabakaran MBA	Lean Manufacturing	OPEL Industries	55000	11
Dr.R.Anitha MBA	Innovation in Recruitment	Keerthi Charcoal	45000	9
Dr.P.Krihsnaven i , Mr.E.Mohanraj MBA	Currency Derivatives	Royal Spinners	44000	11

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/	Number of teachers	Number of students

	collaborating agency	participated in such activities	participated in such activities
Awareness program on Beat Plastic Pollution	Aeronautical department and Kovilpalayam panchayat union office	2	61
Awareness program on ROAD SAFETY	Aeronautical department and Kalapatti panchayat union office	2	30
Awareness camp on Importance of Ground water	Agricultural department	2	45
Awareness camp on Improved Efficiencies of Chulas	Agricultural department	2	45
Plant Sapling	NSS	1	5
Blood Donation	YRC	1	2
NCC Inauguration Guard of Honour	NCC and SNS Academy	1	62
Tobacco Free Coimbatore	Department of biomedical Engineering and Coimbatore Coporation	1	2
Awareness programme in "Voting –Signature Camp at Saravanampatti	Department of Civil Engineering and Coimbatore Coporation	12	60
Tree Plantation	Department of Civil Engineering and Local Punchayat	5	20
Awareness Program on "Cashless Electronic Transaction"	Department of ECE and Fun Republic Mall,Coimbatore	9	54
Awareness Programme on "Plastic Pollution"	Department of ECE and Coimbatore corporation	5	44
Awareness Rally on "30th Road Safety Week"	Department of ECE ,NSS and Tamil Nadu Road transport cooperation	4	56
Awareness Programme on "Road Safety"	Department of ECE and Kovilpalayam Police Department	10	47
Visit to old age home	Department of EIE	3	10
Awareness Session	Department of EIE	2	6

for Students			
Plastic awareness Program	Department of IT/Kovilpalayam Town Panchayat	11	52
Flood Relief Fund Collection for Kerala	Department of IT/Government of Tamilnadu	11	15
Upliftment of Under previliged children through SRI	Department of IT/SNS College of Technology	4	12
Swachh Bharat Campaign	SNS College of Technology Aram Foundation Charitable Trust	6	21
Kovai Wonder Women	SNS College of Technology Prozone Mall	13	120
Sapling Plantation	SNS College of Technology	5	20
Computer literacy program	Government Panchayat School, Kottaipalayam, S.S.Kulam, Coimbatore	3	6
Awareness Camp on "Diet Fitness"	Department of Mecatronics and BRJ Ortho Center MAK Hospital	2	98
Awareness camp on no Tobacco	RRC and Department of Mechatronics Engineering	4	39
Road safety awareness	YRC and Department of Mechanical Engineering	11	93
Health awareness camp	Department of Mechanical Engineering and Saravanampatty Local panchayath	12	23
Fuel usage awareness	YRC and Department of Mechanical Engineering	13	32
Tree planting	Department of Mechanical Engineering and Saravanampatty Locality panchayath	21	12
Rally on Road Safety	YRC and Department of Mechanical Engineering	20	200
Celebrating Life	YRC and RRC	2	500

First Aid			
Orphanag visit	YRC and Nizhal Charitable Trust	1	50
Voluntary Blood Donation Camp	YRC and Coimbatore Medical College Hospital Blood Bank	2	50
Blood Donation	RRC Round table 31 in association with Coimbatore Medical College	15	200
Awareness program on 'Celebrating Life' and 'First Aid'	RRC TamilNadu AIDS control society, Coimbatore	4	150
Awareness Lecture on "Diet Exercise"	RRC, Department of Mechatronics BRJ Ortho Centre MAK Hospital, Coimbatore.	10	150
Awareness camp on "No Tobacco"	RRC and Department of Mechatronics	15	60
Thal Sainik Camp(TSC)	NCC and KSR College of Arts Science, Tiruchengode	1	5
Combined Annual Training Camp(CATC)	NCC and PSG College of Technology, Coimbatore	1	2
Thal Sainik Camp(TSC)	NCC and Kumaraguru College of Technology, Coimbatore	1	1
4th International Yoga Day 2018	NCC and SNSCT	1	250
Thal Sainik Camp(TSC)	NCC and PSG College of Technology, Coimbatore	1	1
Basic Leadership Camp(BLC)	NCC and Government Arts and Science College , Kumbakonam	1	3
Advanced Leadership Camp(ALC)	NCC and Anand College of Engineering, Agra, Uttar Pradesh	1	1
Combined Annual Training Camp(CATC)	NCC and Hindustan College of Engineering and Technology, Coimbatore	1	18
Thal Sainik Camp(TSC IGC)	NCC and NTA, Madurai.	1	1

Combined Annual Training Camp(CATC)	NCC and Rathinam College of Arts and Science, Coimbatore.	1	30
RDC Cum TSC Training Camp	NCC and NTA, Madurai.	1	1
Tobacoo Free Coimbatore Project PhaseI	NCC and CSI Bishob Appasamy College of Arts and Science Coimbatore	1	3
Independence Day Celebration 2018	NCC and SNS College of Technology	2	108
Thal Sainik Camp(TSC) Training Camp II	NCC and NTA ,Madurai.	1	1
CATC Cum RDC Training Camp I	NCC and Angel College of Engineering And Technology, Tiruppur	1	9
TSC Launch Camp	NCC and NTA ,Madurai.	1	1
Enrollment of The Cadets for batch (20182021)	NCC and SNS College of Technology, Coimbatore.	1	41
CATC Cum RDC Training Camp II	NCC and Hindustan College of Technology.	1	7
TSC Camp New Delhi	NCC and DG NCC, New Delhi	1	1
CATC Cum RDC Launch Camp	NCC and KPR Institute of Engineering and Technology, Coimbatore	1	6
Warfare' 18	NCC and Kumaraguru College of Technology	1	25
IGC RDC	NCC and KPR Institute of Engineering and Technology, Coimbatore.	1	5
RDC TRAINING CAMP I	NCC and Kongu Engineering College, Perundurai.	1	3
RDC TRAINING CAMP II	NCC and PSG College of Arts and Science,Coimbatore.	1	3
CATC CUM RDC	NCC and Nehru	1	3

Training Camp III	College of Arts and Science, Coimbatore.		
CADETOFEST' 19	NCC and Government College of Arts and Science, Coimbatore	1	22
Firing Selection Camp	NCC and Kongu College Of Engineering, Erode	1	11
Plastic Awareness Rally	NCC and Kovilpalayam, Coimbatore.	2	41
Republic Day Celebration 2019	NCC and SNS College of Technology	2	108
B Certificate Examination	NCC and PSG College of Arts and Science.	1	33
C Certificate Examination	NCC and PSG College of Arts and Science.	1	28
SNS COMBAT	NCC and SNS College of Technology	1	108
National science day celebrations	Department of SH Ruby Matriculation Higher Secondary School	2	350
National science day celebrations	Department of SH Alchemi Public School	2	300
National science day celebrations	Department of SH St Xavier Matric	2	200
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Marathon	17th place out of 4000 People	Coimbatore Institute of Technology	1
Blood Donation Camp	Voluntary Blood Donar	Kongunad Hospitals Blood Bank	1
Swachh Bharat Campaign	Social Edupreneur	Aram Foundation Charitable Trust	21
Republic Day parade at New Delhi2019	Participated in Prime Minister rally at New Delhi	DG NCC New Delhi	3
Republic Day parade at New Delhi2019	Ballet Dance winner at Republic Day Camp at Delhi	DG NCC New Delhi	3

| Republic Day parade at New Delhi2019 | Guard of Honour at New Delhi | DG NCC New Delhi | 3 |
| Thalsainik Camp 2018 | Bronze medal in Map Reading at all India Thalsainik camp Delhi. | DG NCC New Delhi | 1 |

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
AIDS Awareness	TamilNadu AIDS control society, Coimbatore	Celebrating Life and First Aid	4	150
Anti Plastic Pledge	NSS	Say No to Plastics	100	2000
AntiPlastic awareness Campaign	NSS	Say No to Plastics	4	50
Awareness	YRC	Road safety awareness	11	93
Awareness Program	Centre for Social Research,New Delhi	Social Surfing 3.0	36	598
Awareness Program	Fun Republic Mall,Coimbatore	Cashless Electronic Transaction	9	54
Awareness Program	Collaborating with Coimbatore corporation	Plastic Pollution	5	44
Awareness Program	Collaborating with Kovilpalayam Police Department	Road Safety	10	47
Awareness Program	Kovilpalayam town Panchayat	Plastic awareness Program	11	52
Awareness Rally	Collaborating with NSS Team of SNS College of Technology and Tamil Nadu Road transport cooperation	30th Road Safety Week	4	56
Gaga Cyclone Relief	NSS	Distributed the basic materials	10	30

International Yoga day celebrations	NSS	YOGA	20	150
Kerala Flood Relief camp	NSS	Distributed the basic materials	4	15
Kovai Wonder Women	SNS College of Technology Prozone Mall	Kovai Wonder Women	13	120
Plastic Awareness Rally	NSS	Say No to Plastics	5	30
Plastic Awareness Rally	Kovilpalayam , Coimbatore.	Plastic Awareness Rally	2	41
Road safety	Kalapatti panchayat union office	Awareness program on Road safety	2	30
Road Safety Awareness Rally	NSS RTO Coimbatore	The importance of wearing helmet,seatbelt for safety driving.	4	50
Sapling Plantation	SNS College of Technology	Sapling Plantation	5	20
Seva Ashram visit	NSS	Distributed Notebooks Study Materials	2	30
Seven Days Special Camp	NSS	Conducting various events to school students and villagers	4	5
Social Responsibility Program	Government of Tamilnadu	Flood Relief Fund Collection for Kerala	11	15
Social Responsibility Program	SNS College of Technology	Upliftment of Under previliged children through SRI	4	12
Swachh Bharat	Ver Organization and Aalayam Foundation	Plastic Free Maruthamali	2	45
Swachh Bharat	Kovilpalayam panchayat union office	Awareness program on Beat Plastic Pollution	2	61
Swachh Bharat	Swachh Bharat Team Keeranatham	Summer Internship Program	1	1
Swachh Bharat Campaign	SNS College of Technology Aram	Swachh Bharat Campaign	6	21

Swachh Bharat Internship	NSS NCC	Cleanliness	4	20
Tobacoo Free Coimbatore Project PhaseI	CSI Bishob Appasamy college of Arts and Science Coimbatore	Tobacoo Free Coimbatore Project PhaseI	1	3
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
AlGaN/GaN HEMT	Dr. J. Ajayan	Good will	182
Book chapter/CRC Press	Dr. J. Ajayan	Good will	365
Book chapter/Elsevier	Dr. J. Ajayan	Good will	365
Consultancy	"MrR.Yasodharan, Mr.P.Mohankumar"	Wizzard Systems	1096
Double Gate High Electron Mobility Transistor Design	Dr. J. Ajayan	Good will	182
Hand Book/CRC Press	Dr. J. Ajayan	Good will	365
Hand Book/CRC Press	Dr. J. Ajayan	Good will	365
Inplant Training	Mr.A.Natarajan & V.S..Kaushikkumar	Good will	9
MOSHEMT on Silicon Substrate for Future Submillimetre Wave Applications	Dr. J. Ajayan	Good will	182
Project Work	C.SenthilKumar	Good will	6
Project Work	C.Chinnasamy	Good will	5
Research / Design and Development of smart energy harvester cum charger for lead acid cell using buck boost SMPS technique with Energy computer	Dr.R.Senthilkumar & Mr.S.Bharath	Milltronics E Matiks	706
Research / Design of Energy Efficient Motor for pumping Application	Mrs.S.Jayashree and Mr.R.Pradeep	Ramdev Motors	603
Research / Design	Mrs.G.Abirami	Megatech Scientific	611

		Instruments	
Research / Development of industrial IoT based smart meter	Mr.R.Vijayakumar	Delving Research and Development Pvt.Ltd	1253
IResearch / Development of industrial IoT based smart meternternship	Dr.C.Ramakrishnan	Delving Research and Development Pvt.Ltd	1825
Research / Electric Vehicle	M.N.Kailash	SNS College of Technology	303
Research / Fuel Pump	V.Rajesh	SNS College of Technology	303
Research / Life span tester for high power motors and pumps	Dr.R.Rajasekaran and Mrs.C.Aishwarya	Beta Automation	365
Research / Optimization	T.Mahendran	SNS College of Technology	303
Research / Optimized Energy Efficient Route Assigning Method using Related node Discovery Algorithm in MANET	R.Aruna, J,Shanthini	Nil	30
Research / Retrofit	S.Vasanthaseelan and T.Mahendran	SNS College of Technology	303
Research /Design of shunt active power filter for solar power applications	Mrs.G.Abirami	Megatech Scientific Instruments	630
Research / Buckling analysis of gridstiffened composite cylinders	Sasikumar. M	Nil	123
Research / Development of Dual Pedal Operated Sugarcane Bud Cutting Machine	Dr.M.Singaravelu	SNS College of Technology	365
Research / Development of Impact Type Groundnut Pod Stripper	Dr.S.Ganesan	SNS College of Technology	365
Research / Ground bouncing noise	Dr. B. Sivasankari	Good will	90

mitigation			
Research / High Electron Mobility Transistor Design	Dr. J. Ajayan	Good will	90
Research / Nonlinear analysis of kinematic hardening material under sliding contact	Nehru. K	Nil	123
Research / Nonlinear analysis of sliding contact with friction	Venkatesh. N	Nil	123
Research / Statistical Analysis using AMOS	Dr.V.Prabakaran	SNS College of Technology	611
Research / Structural optimisation hexacopter frame	Nehru. K	Nil	214
Research / Structural optimisation quadcopter frame	Nehru. K	Nil	134
Research / Utilization of Region based Algorithm for an Image Application	S.Fathima	Nil	30
Research publication	C Chinnasamy	Good will	730
Research publication	R.Ranjith	Good will	1095
Research publication	Dr.S.Charles	Good will	1095
Research publication	Dr.T.Prakash	Good will	1095
Research publication	C.Senthilkumar	Good will	1095
Testing / Bacterial Concrte	Dr.K.Arumugam	SNS College of Technology	272
Testing / Repalcement of FA with Foundary Sand	Dr.O.R.Kavitha and Dr.K.Thirumalai Raja	SNS College of Technology	272
Testing / Structural Health Monitoring	Mr.P.Selvaprasanth Dr.R.Anuradha	SNS College of Technology	272
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research

facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Inplant Training	Inplant Training	Eicher,coimbatore	05/12/2018	09/12/2018	JOHN.L.DAVIDSON
Inplant Training	Inplant Training	Volvo	25/12/2018	02/01/2019	BALAPRASANTH E
Inplant Training	Inplant Training	Flow Link Systems, Coimbatore	17/12/2018	22/12/2018	SRIHARIHARASUDHAN B
Inplant Training	Inplant Training	Ashok Leyland	11/12/2018	15/12/2018	STANLEY JACOB
Inplant Training	Inplant Training	Texmo, Coimbatore	11/06/2018	16/06/2018	KRISHINA PRASANTH
Internship	Knowledge Transfer	Podrain Electronics Pvt. Ltd., Bangalore	18/09/2018	18/10/2018	MADHU. R
Internship	Knowledge Transfer	Sakthi Sugars Limited, Erode	06/08/2018	25/08/2018	SARATH CHANDAR. A
Internship	Knowledge Transfer	Ranganathar Power plant, Perundurai	04/06/2018	09/06/2018	KAYALVIZHI. N
Internship	Training Program	SUZLON	10/07/2018	23/07/2018	DINESH KUMAR. S
Internship	Training Program	Salzer Electronics	18/06/2018	04/07/2018	ARUN KUMAR. N
Internship	Hospital Training	BRJ Ortho Center and MAK Hospital ,Coimbatore	07/06/2018	16/06/2018	NITHIN S
Internship	Training	Aavin Milk Producers Union LTD.,	07/12/2018	15/12/2018	AKIL P
Internship	Study, Repair Overhauling of stationery IC Engine	Southern Region Farm Machinery Training Testing Institute, Ananthpur	27/05/2019	31/05/2019	M.MANIMARAN
Internship	components manufuctures Heat treatment	ZF Wind power, Coimbatore	23/07/2018	22/08/2018	VIJAY

Internship	Production HPS	Larsen Tourbo Limited Defence, Precision Ma nufacturing System Complex, Coimbatore	28/05/2018	23/06/2018	SRIVIDHYA S
Internship	Industrial Automation Training	Wiztech Automation Research And Development Unit, Kerala	20/05/2018	24/05/2018	SRIVIDHYA S
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Fliege UAV Concepts pvt Ltd, Coimbatore	21/07/2018	Fling radio controlled model aircraft	8
AIMST University, Malaysia	09/10/2019	Internship/Students exchange program	45
UTL Technologies	30/05/2018	Internship	7
Zerlon Solutions Pvt.Ltd.,	02/01/2019	Internship and Training	8
Magnetic and Controls, Coimbatore	24/12/2018	Internship, Project and Placement	6
Tech Mahindra,Bangalore	05/09/2018	Guest Lecture	200
Flow link	01/04/2019	Inplant Training	6
Lakshmi gears	02/04/2019	Inplant Training	15
Power Blink,Coimbatore	19/11/2018	Workshop	200
Gateway Software Solutions, Vignesh Park, Kalingarayan St, Ram Nagar, Coimbatore	29/10/2018	Internship and Training	151
TMI Systems, Bangalore	01/04/2018	Project	8
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year	
Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1250	1430.89

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIPS I NET 5.0	Fully	5.0.100	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20352	5635281	178	79624	20530	5714905
Reference Books	45756	12862465	298	119437	46054	12981902
e-Books	975	0	3135	0	4110	0
Journals	152	436998	158	457797	310	894795
e-Journals	1499	550339	1513	555892	3012	1106231
Digital Database	2	0	2	0	4	0
CD & Video	4704	50000	52	0	4756	50000
Library Automation	1	13800	1	11800	2	25600
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.K.Sangeetha	Case Tools-Blood Donor App	Camtasia and Youtube	03/08/2019
Dr.K.Sangeetha	Case Tools-Line Processing Robots	Camtasia and Youtube	03/08/2019
Mrs.S.Sangeetha	Theory of Computation-NFA	Camtasia and Youtube	18/07/2019
Mr.S.Vigneshwaran	DC Motor as DC Generator	Youtube	23/12/2018
Dr.M.Subramanian	Lamis theorem with example	Youtube	10/02/2019
Mr.S.Srikanth	Lem Hef Tricks using Vedic Maths	Youtube	05/01/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1470	32	750	4	32	15	15	125	0
Added	0	0	0	0	0	0	0	40	0
Total	1470	32	750	4	32	15	15	165	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

165 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
AV recording centre: High - end Computer, Video Camera, Audio system, LCD Projector	https://www.youtube.com/watch?v=eZMSyO4waAI&feature=youtu.be

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
280	306.7	750	797.98

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

Campus Maintenance: SNS College of Technology, under the administrative headship of the Principal has dedicated sections and man power to administer

and maintain physical support facilities. There are adequate dust bins provided throughout the campus. Problem report forms available in three divisions namely Electrical, civil and Mechanical. Each division is allotted with an incharge to take care the services. Enough cares and steps are taken to rectify the problems written in the form within a day or two. First-aid kits are always available in multiple places for any emergency. The department laboratories are under the supervision of the respective Deans/HoDs, assigned with a faculty incharge for routine and periodic maintenance and functioning of laboratories. Depreciations and improvement need are proposed and sanctioned by the management when and where deemed necessary and log books are maintained and audited every year to ensure the presence of need physical infrastructure and their right functioning within each laboratory to meet the requirement of the students. Computer Maintenance: In addition to the three divisions, the maintenance of computers and its allied devices are maintained by the dedicated computer maintenance team headed by CSE department. The systems are updated and kept current to meet all the needs of latest technological advancement. Every class room is enabled with ICT devices such as computers with smart board and specially assigned department technical supporting staff who are trained by the computer maintenance team will take care of the maintenance. The Maintenance related to hardware and power backups in computer centres are maintained by service engineers on call through the AMC. Library: The college central library houses the current and futuristic academic materials in both physical and digital format. The central library is audited annually to ensure the relevance and usefulness of the materials and additional materials to text and reference books like journals and magazines are systematically renewed and updated by the library advisory committee annually. In addition to the centralized library, every department is supported to have departmental library administered by the respective Deans/HoDs through a dedicated staff incharge to maintain and make available the rich and new text specific for the department. The updating of the same is carried out by the individual department by their annual budget. Sports Facility: The institute provides separate and distinguished sports infrastructure, amenities and actuaries under the Department of Physical Education administered by a Physical Education Director. The maintenance and updating of the same is ensured by the physical education director through the Principal periodically. All the infrastructures are dually monitored by both the department heads and the Principal with the special incharges to address any grievance and carry out maintenance, damage control, replacement and updating of all and every need support systems.

http://www.snsct.org/?q=iqac-report

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Scholarship	193	725000
Financial Support from Other Sources			
a) National	Government	1617	26268710
b)International	-	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	28/02/2019	178	Inhouse
Soft Skill Development	08/02/2019	178	Inhouse
Soft Skill Development	21/02/2019	25	Star win Academy, Coimbatore
Soft Skill Development	13/02/2019	72	Inhouse
Soft Skill Development	13/02/2019	46	Edwise, Coimbatore
Soft Skill Development	08/02/2019	127	Nschool, Coimbatore
Soft Skill Development	07/02/2019	113	Devbot Technologies Private Limited, Coimbatore
Soft Skill Development	05/02/2019	132	CTS, Coimbatore
Soft Skill Development	25/03/2019	143	Trioticz
Soft Skill Development	01/04/2019	70	Inhouse
Soft Skill Development	01/12/2018	148	Department of Skill and Career Development
Integrated Life Skills	14/03/2019	93	Col(Dr.) AE Charles,Cbe.
Entrepreneurial awareness	27/12/2018	84	Mr.I.Mohammad Jailni, Aisan products,coimbatore
Believe You can also be Successful	08/01/2019	88	Mr.G.N.Krishnamurthy, Soft skill Expert, Coimbatore
UPSC and TNPSC exams	23/01/2019	81	Mr.A.Winifrad, ACC cements , Coimbatore
Team Building and skill development	12/02/2019	40	Inhouse
Reading Listening skill development practices	02/07/2018	80	Department of English – In House Training
Language Lab (Spoken English classes)	01/11/2018	50	Inhouse
IELTS Orientation	24/01/2019	250	British Council Examination and English Services India Private

			Limited, Chennai.
Awareness on Traffic Rules	08/03/2019	800	Maruthi Driving School
Overseas Education Opportunities Jobs	07/09/2018	551	Dream overseas Education, Coimbatore
Industrial Automation	14/02/2019	20	SS Technovation, Coimbatore
Entrepreneurship	07/01/2019	45	K.P.M Plasto Rubber Company, Coimbatore
Present scenario of the students professionalism	15/08/2018	40	PSG College of technology
Out Bound Training program	08/01/2019	51	External Vendor
Out Bound Training program	24/08/2018	34	Inhouse
Government Competitive Exams	07/09/2018	60	Inhouse
Challenges For Engineers	07/07/2018	20	Caterpillar India Pvt. Ltd
Personal Counselling and Mentoring	22/02/2019	52	Dr. Anuja S. Panicker, Prof Head, Student Wellness
3D Printing Technology	27/02/2019	35	Medsby, Coimbatore
Technical Skills Signal Processing Lab	27/08/2018	48	Inhouse Training
Yoga, Meditation	19/02/2019	150	Dr.B.R.J. Sathis Kumar, BRJ
Yoga Laughing	07/09/2018	551	Inhouse Training
Bridge courses	03/09/2018	3374	Inhouse
Entrepreneurship Awareness Camp	03/10/2018	20	EDII(Entrepreneurship Development Institute of India)
Remedial Coaching	18/07/2018	756	Inhouse
Personal Counselling and Mentoring	18/06/2018	3374	Inhouse
Yoga	21/06/2018	50	Mr.Saravanan,Art of living
Yoga	10/11/2018	51	Mr.Jeeva Art of living
Yoga	06/08/2018	65	Manavalakkalai Mandram
Yoga	10/10/2018	178	Inhouse Training

Social Responsibility	26/02/2019	80	External Vendor
Social Responsibility	20/02/2019	40	Inhouse Training
Career Development	11/02/2019	61	Dhynalinga Surveyors, Coimbatore
Career Development	05/02/2019	40	Sri Vishnu Builders, Coimbatore
Career Development	15/09/2018	40	Krishna Associates, Coimbatore
Career Development	25/02/2019	40	Pichaiya Associates , Coimbatore
Career Development	25/02/2019	40	Aarvee Associates, Hyderabad
Career Development	18/02/2019	40	Sakthi Constructions, Cumbum
Career Development	11/02/2019	61	Dhynalinga Surveyors, Coimbatore
Career Development	05/02/2019	40	Sri Vishnu Builders, Coimbatore
Career Development	15/09/2018	40	Krishna Associates, Coimbatore
Soft Skill Development	18/06/2018	25	Inhouse Training
Soft Skill Development	30/07/2018	61	Mr.G. Dharani, Senior Manager Training Development. CORE Aptitude training institution.
Soft Skill Development	29/08/2018	178	Inhouse Training
Soft Skill Development	27/08/2018	37	Amphisoft
Soft Skill Development	20/08/2018	50	Here Technologies, Bengaluru
Soft Skill Development	06/08/2018	56	Mr.G.Sasi Kumar, Technical Trainee, Mars Engineering Works
Soft Skill Development	12/09/2018	130	Inhouse Training
Soft Skill Development	19/09/2018	120	Inhouse Training

Soft Skill Development	17/09/2018	178	Inhouse Training
Soft Skill Development	06/09/2018	60	Inhouse Training
Soft Skill Development	03/09/2018	178	Inhouse Training
Soft Skill Development	10/10/2018	120	Inhouse Training
Soft Skill Development	04/10/2018	60	IICS IAS Academy Coimbatore
Soft Skill Development	09/11/2018	37	Face Academy
Soft Skill Development	17/12/2018	37	Top freshers
Soft Skill Development	18/01/2019	142	Accent Techno Soft
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Career Development Program for Placement and Higher Studies	156	928	28	855
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	6

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
HCL ,Amazon CS, Verticurl, Infodesign, Hexaware,	522	372	Virtusa, Lucid Technology, Kathir Sudhir	576	483

Tiyan Infotech, IDBI Federal, Future Generali Maxbupa, Windcare, Ethnus , Focus Edumatics, Jivit Techno logies, Caliber Inte rconnect, Decathlon, Railsdata, Quezapp , Experion, FACE, NDOT, Heptagon, Thin			Automation Solutions, SION Semicon ductors (P) Limited, Flowserve, Quadra systems.net, Podrain, Emerald jewellery, SchuF, Beamon Techn ologies, Auriss, Peps Industries, PSG Software Technologies , S T Engineers		

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	MECH	Kongu Engineering College	MBA
2019	1	BE	MECH	Vellore Institute of Technology	MTech
2019	1	BE	MECH	Politecnico Milano Piazza Leonardo da Vinci	MS
2019	1	BTech	IT	Kongu Engineering College	MBA
2019	1	BTech	IT	Madras Institute of Technology	MTech
2019	1	BE	Mechatronics	Sapienza University, Italy	MS
2019	1	BE	Mechatronics	Bannari amman Institute of Technology	MBA
2019	1	BE	ECE	SNS College	M.E VLSI

2019	1	BE	ECE	SNS College of Technology	MBA
2019	1	BE	ECE	Saveetha School of Management	MBA
2019	1	BE	ECE	Kumaraguru College of Technology	ME - Embedded Systems
2019	1	BE	ECE	Kumaraguru College of Technology	MBA
2019	1	BE	ECE	Bannari Amman Institute of Technology	MBA
2019	1	BE	ECE	Sri Shakthi Institute of Engineering and Technology	ME VLSI
2019	1	BE	ECE	PSGR Krishnammal College For Women	MBA
2019	1	BE	ECE	Stevens Institute of Technology	Business Intelligence and Analytics
2019	1	BE	CSE	SNS College of Technology	ME CSE
2019	1	BE	CSE	Sri Ramakrishna Engineering College	ME CSE
2019	1	BE	CSE	Government College of Technology	ME CSE
2019	1	BE	CSE	Coimbatore Institute of Technology, Coimbatore	ME CSE
2019	1	BE	CSE	University Degli Studi Di Trento, Italy	Master of Computer Science
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year

(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
GMAT	2
GRE	1
TOFEL	1
Civil Services	2
Any Other	19
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Basket Ball(Men)	Trophy	12
Kho Kho (Men)	Centies	12
Kho Kho (Women)	Centies	12
Ball Badminton(Women)	Centies	10
Ball Badminton(Women)	Covai Ties	10
Chess(Women)	Covai Ties	4
Kabbadi (Men)	Centies	12
Chess(Women)	Centies	4
Chess(Women)	Zonal Level	4
Table Tennis(Women)	Zonal Level	4
Badminton(Men)	Zonal Level	6
Badminton(Women)	Zonal Level	4
Kho Kho(Men)	Zonal Level	12
Ball Badminton(Women)	Zonal Level	10
Hand Ball (Men)	Zonal Level	12
Tennis(Men)	Zonal Level	4
Basket Ball(Women)	Zonal Level	12
Basket Ball(Men)	Zonal Level	12
Badminton(Women)	State Level	5
Hand Ball (Men)	National Level	2
Kho Kho (Men)	National Level	2
Kho Kho (Women)	National Level	2
Dance Competition on Social Awareness	Local	20
Drawing Competition on Independence Day	Local	50
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	THIRD	National	1	0	15CE027	KEERTHIKA. N
2018	THIRD	National	1	0	15EC131	THEEIJITHA .S
2018	WINNER	National	1	0	15CE049	SHAYAM SUNDER.S
2018	WINNER	National	1	0	16CP010	RAGUL RAJA.T
2018	THIRD	National	1	0	17ME048	JAMES AJAY.D
2018	RUNNER	International	1	0	15EE034	NAVANEETH. N
2018	First prize Dance	National	0	1	18IT002	Aiyer Sidhi Kula thumani
2018	ISIE Future Award	National	0	1	15EE018	Team Adroit Array

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

College creates a platform for the active participation of the students in the various academic, NonAcademic administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations, execution skills, also improves Social and Emotional Skills. Youth Parliament and Department Association are the two major student councils functioning in the campus in addition to professional body chapters. The department association constitution : HoD as mentor, one faculty advisor who guides in organizing any event, one faculty advisors who guides in managing the funds, Secretary, Joint Secretary, Treasurer, Executive Members. The major activities include arranging guest lectures, workshops, etc and organising events by inviting participants from regional, state and nationwide. Student Association renders voluntary services during the various college level programmes and activities. They show active participation in maintaining the serenity and discipline of the college campus. They also play an important role in governing of student's hostels. The students are involved as members in the following academic and administrative bodies. 1. Class committee 2.IQAC 3. Department Associations 4.Hostel Mess Committee 5. AntiRagging Committee 6. Entrepreneurship Development Cell 7.Training and Placement Cell 8.ISTE, IEEE, SAE IE(I) Students Chapters 9. Club Activities – Youth parliament, MUN, AOD, etc., 10. Grievance Redressal cell 11.Library advisory committee The students are encouraged to represent their points and the same will be considered suitably. Each department has Class Committee council which includes Student members. The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The one who has more integrity with other students are nominated as class representatives, for all the sections from I Year to Final Year. The Student Council helps students share ideas, interests, and concerns with mentors, HoD and Principal. The funding for various activities of the internal college bodies is provided by the College Management.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The College has its own registered Alumni Association. SNSCT has a registered Alumni Association named SNS College of Technology Alumni Association which is registered with the Registrar Tamil nadu Societies Registration Act, 1975. The stronger the network of alumni, the greater is the impact. Additionally, the sense of belonging and identity is enhanced and this has a positive outcome when senior batch alumni return to the campus to deliver guest lectures, provide mentoring, participate in campus placements process, etc. SNSCT has initiated a focused effort to strengthen the alumni network. Presently, there are over 9643 alumni. The vast majority of the alumni database is made up of engineering professionals, who work for some of the best corporations of the world. There are also management graduates who occupy important positions in the corporate world. We urge alumni from other disciplines to join the network and continue to feel a sense of belonging to the SNS Family and reap the benefits thereof. Were keen on strengthening the SNSCT alumni network through the following alumni activities: • Facilitate visit to the campus • Guest Lecturer / Visiting Faculty • Campus Recruiter • Explore industryacademia collaboration avenues like research, projects, consultancy, kits, etc. • Mentor juniors regarding their careers • Nominate outstanding alumnus by tracing ones personal growth and success story. • Post job openings of ones organisation for fresh as well as lateral candidates. • Sponsor an event / seminar / activity / laboratory / publication / award / venture. • Industrial Collaborations, Internships, In plant training • Chapter opening assistance in other places

5.4.2 – No. of registered Alumni:

7987

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

696000

5.4.4 – Meetings/activities organized by Alumni Association :

Third alumni Decade Alumni Meet was conducted on 22.12.2018 Thirteenth Alumni Meet was conducted on 23.03.2019. We have Organized 31 Alumni Guest lecture on various recent topics, 5 Seminars, 3 Motivational Talks, Personality Development coaching, Career Guidance and one Workshop, Also we have included the alumnus for BoS. Our alumni are helped to conduct Mock Interview for placement. Few of our students are entrepreneur they will give the guidance to start the business.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

6.1.1 Mention two practices of decentralization and participative management during the last year The college always promotes a culture of participative management to ensure transparency in both academic and administration. Principal is the head of all academic and administrative works of the college. He takes decisions after deliberations and discussions with Deans, Head of the Departments, PlacementTraining heads, Controller of Examinations and implements the decisions after obtaining concurrence from the Governing body for the progressiveness of the college. The Heads of the Departments conduct periodic meetings with the faculty members and their suggestions are carried to the

HoD's meeting for discussion and approval. This ensures that all faculty members take part in the academic and administrative matters of the College. Members of the management also take part in the academic committee meetings to invite suggestions from various heads. The department level administrations are decentralized and allow faculty members to take decisions on day-to- day needs. These decisions are guided by well-defined college policies developed by the Management and the Principal. Faculty members are also members in the Governing Council, Academic Council, Board of studies, IQAC, Anti ragging committee, Grievance Redressal Committee, Anti-Ragging Squad, etc which allows their participation in decision- making at the higher levels. Department Heads recommendation is considered with at most priority while recruiting faculty, offering promotion and performance appraisal. The Administrative Officer is the head of finance administration. The Manager, Office Superintendent and section officers play the role of executive head to take care of the matters related to administration. They consult with the Principal who in turn, puts the matter before the Management while making new decisions related to the administrative operations of the college. Students are encouraged to participate in the college management activities through their membership in IQAC, Youth Parliament, class committee, hostel committee, anti-ragging committee, department associations, Magazine Committee, professional society chapters, Sport Committee etc. The Principal and Management carefully checks and oversee the decisions arrived through various committees. The Management suggests various improvements and solicits suggestions from stakeholders regularly.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	•Adopts Outcome Based Education(OBE) system • Choice Based Credit System(CBCS) • Feedback from stake-holders for improvements • Twice in a year Curriculum Development Committee conduct meeting and reviews the curriculum and syllabus before presenting to Board of Studies. • Value added / Modular courses to enhance capabilities of learning. • Fast track system to undertake fulltime internship or industrial projects • One-credit courses based on contemporary industrial practices and needs. • Online courses through MOOC/NPTEL • Provision of earning Extra-credits by aspiring students • Embedded Soft Skills training [CDP] in curriculum for employability • DT based Curriculum framework
Teaching and Learning	• Centre for Learning and Teaching to enhance the learning experience in the campus. • SNS Courseware (e-learning facility) • Innovative teaching pedagogies for effective teaching learning process. • Structured

	questionnaire system for feedback on teaching/learning. • Awards Scholarships for academic toppers that ass motivation to excel in academics. • Additional learning through industries, professional bodies and alumni network. • Attending Summer research fellowship programmes at IITs,/ research laboratories etc.,. • Faculty visits to industries, research labs, and universities in India abroad. • Support faculty in developing their teaching other skills • Training and guidance on Effective teaching approaches, Efficient utilization of resources, Various educational tools and technologies and Various assessment methodologies • Workshops to enhance Design thinking based delivery
Examination and Evaluation	• Examination and Evaluation • Academic audit by both internal and external experts • Bloom taxonomy with quality index in Question paper setting • The components of internal assessment are written test and Co-curricular activities such as Assignment / Presentation / Project / Innovative work /Attending conference, workshop Seminar / Online Courses/ Case Study, etc. • There is an external scrutiny of question papers by academic peers of other reputed colleges for the end semester examinations. • Cross verification of valued answer scripts • Evaluation process is transparent. Introduction of online evaluation system • End semester examinations are evaluated in a centralized manner
Research and Development	• A separate Research and Development cell and Centre for Creativity. • Seminars, FDP and Conferences are organized for both faculty members and students to obtain research projects, grants from funding agencies. • Provision of seed money of Rs 1 lakh for faculty members and students per each department to promote research. • The Institution offers 50 of the registration fee along with OD for those faculty members who are presenting papers in national International conferences. • Rs. 1500 1000 cash award for paper presented in peer reviewed International and National Journals. Sharing of 40 of the consulting revenue to the consultancy team. • Encouraging faculty members to

	enhance their qualification [M.Phil/ Ph.D., programme] • Sharing of consultancy revenue among faculty members/consultants
Library, ICT and Physical Infrastructure / Instrumentation	• The centralized library provides learning resource to the student and faculty community both in print and digital mode. • Book bank is available to facilitate the student's book need during his/ her learning tenure. • Library Advisory Committee • ICT infrastructure such as High end system with UPS back up, Printers, LCD Projectors, Internet Switches, AV Facilities, etc are available • Enhanced Digital library with Audio Visual room, NPTEL and E- learning resources • Wi-Fi enabled campus with internet speed of 100Mbps • All class rooms are ICT enabled • State of the art laboratories
Human Resource Management	• HR department is responsible for selection, recruitment, training and performance appraisal of staff members. • A well-structured method of faculty recruitment process viz: Written Test, GD, Class Room Observation and HR Round. • Self-appraisal is given highest priority with valid supporting documents. • Standard norms for salary fixation. Incentive schemes for the outstanding performers. • Staff members are encouraged to participate in training programme to upgrade their knowledge and skills • Work is distributed according to their expertise.
Industry Interaction / Collaboration	• Industry Institute Partnership Cell [IIPC] • Strong connect with the industries for continuous learning. • Industry experts are invited to address the students on recent trends • Industry tie-up will help in acquiring Internship, Project Work, Industrial Visits, Research and Consultancy assignments • Student and Faculty exchange programs with Universities in abroad and Industries
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 through Management Quota are carried out as per the procedure given by the Consortiumof Self Financing Professional, Arts Science Colleges in Tamil Nadu. |

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

E-governace area	Details
Planning and Development	o All planning and execution are uploaded and followed through online [Sns.Bitrix – Portal] o All activities are planned in advance and uploaded in the portal with deadlines o Appropriate subtasks, deadlines, checklists help to monitor the status of each activity. o Tasks can be assigned by higher official or the incharge which could be tracked. o Self tasks can also be listed (To do List) in the portal and would help to complete all activities in time.
Administration	o Monitor, Control and view the institutional activities such as Admission Details, Students information, Staff Details, Students Attendance, Bio metric for staff attendance, Fees collection, Academic progress, Inventory Status, outstanding details, Transportation, Payroll, Accounts, Exams and Results details, can be viewed through the software. Automated and quick report generation of all academic process such as Attendance, Internal marks, End Semester results etc. o Approvals from Management can be got through online on emergency cases.
Finance and Accounts	o Online Fee collection, Receipt generation and processing of consolidated statements are carried out through our Management Information System. o Payroll management , E Generation of Tax payments – Form 16, Maintenance of employee provident fund. E cash and cheque vouchers, Effective fund disbursement through internet banking services NEFT, maintenance of fund mobilization and utilization records and retrieval of data. o Salary slips of individual faculty can be downloaded from ERP
Student Admission and Support	o Students can get the institute details via E-Brochure o Tuition fee can be paid through online o Admission

	details are interconnected with internal ERP system o Admission work consist of online enquiry, online application download, Admission process, Student database of enquiry, Admission registration into required departments are done through the college Management Information System. o Student access for viewing their attendance, internal marks and also for giving Faculty feedback. Short Messaging Services are provided to communicate the academic performance of the students.
Examination	o Students are given with individual user name and password to access their attendance percentage and internal marks / external grades o Education verification of students' certificates via exclusive portal o Software supports Time Table, Syllabus upload, Syllabus regulation and verification, subject details, Lesson Plan, uploading of online questions, Question paper collections, communication of Exam fee, Generation of exam application, Exam time table, digital numbering, galley preparation, Conducting of online examination list of absentees, consolidated statement of absentees, Mark entry of continuous internal assessment, uploading of Comprehensive Mark entry, preparation of Mark sheet.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Divya.P	International Conference on Applied Science Engineering and Technology	Sengunthar College of Engineering	4000
2018	B.Vinodhini	FDP on Cloud Infrastructure Services and Blockchain Technology	BannariAmmam Institute of Technology	3500
2018	C.B.Sivaparthipan	FDP on Cloud Infrastructure Services and Blockchain Technology	BannariAmmam Institute of Technology	3500

Year	Name	Title	Institution	Amount
2018	G.Renugadevi	International Conference on recent Engineering Technology Management	Coimbatore Institute of Technology	3000
2018	D,Shanthipriya	Second International Conference on Science, Technology, Engineering and Management	Sri Krishna College of Engineering and Technology	4000
2019	M.Kavitha	Second International Conference on Recent Advances in Engineering and Technology	Sri Krishna College of Engineering and Technology	5000
2019	S.RajaRanganathan	International Conference on veracity research in scientific Computation and Engineering Trend	VRS College of Engineering and Technology	3000
2019	R.Senthilkumar	International Conference on veracity research in scientific Computation and Engineering Trend	VRS College of Engineering and Technology	3000
2019	S.R.Janani	STTP on "Correlation of AI and ML in research perspective"	Coimbatore Institute of Technology	2500
2019	H.SummiaParveen	FDP on Machine Learning using Azure	Muthayammal Engineering College	3000

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

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

2019	Challenges and Opportunities of NAAC Revised Accreditation Framework		13/03/2019	14/03/2019	4	0
2018	FDP on "Computer Architecture"		01/12/2018	14/12/2018	5	0
2018	Development of Laboratory Instruction and Manual		04/02/2019	08/02/2019	8	0
2018	Seminar on Effective Way of teaching using most recent educational technology		23/08/2018	24/08/2018	15	0
2018	Faculty Development Programme on Electrical Machines II		23/04/2018	29/05/2018	27	0
2018	Innovation in Teaching Methodology		27/06/2018	29/06/2018	30	0
2018	Social Surfing on Online Safety Counter speech Cyber Etiquette and Social Media for Social Change		09/08/2018	09/08/2018	33	0
2019	Solar PV Installation and Application for Domestic		21/02/2019	22/02/2019	40	0

| 2019 | Mechanics and Manufacturing of Advanced Composites for Bio-Medical Applications | | 07/03/2019 | 08/03/2019 | 40 | 0 |
| 2018 | Research opportunities in DRDO | | 19/09/2018 | 19/09/2018 | 42 | 0 |

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Digital Signal Processing	5	11/06/2018	17/06/2018	7
AICTE – ISTE sponsored Induction/ Refresher programme on "Recent Technologies Adopted in Industries for Health Care, Defence and space applications"	2	11/06/2018	17/06/2018	7
CSIR Sponsored seminar on Fuel Cell Technology and its application conducted by HCET, Coimbatore.	2	20/12/2018	21/12/2018	2
DST sponsored India-Sri Lanka joint workshop on"Development and Exchange of knowledge on Robotics and Automation applied to fisheries and aquaculture"	1	04/12/2018	08/12/2018	5

NITTTR sponsored STTP on "Development of Laboratory Instruction and Manual"	1	04/02/2019	08/02/2019	5
One week Anna University approved Faculty Development Programme on "ELECTRICAL MACHINES II"	7	23/05/2018	29/05/2018	7
One week short term course under Quality Improvement Programme on "Power Electronic System Design and Applications	4	04/06/2018	10/06/2018	7
One week Short term training programme on "Development of Laboratory Instruction and Manual	4	04/02/2019	08/02/2019	5
Recent Technologies adopted in Industries for Health Care, Defence and Space Applications	1	11/06/2018	16/06/2018	6
Refresher course in Experimental Physics	1	12/11/2018	27/11/2018	16
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
71	71	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Certificates of	• Permission to do higher	• Financial assistance to

appreciation for producing 100 results in theory subjects and 85 and above results in analytical subjects in end semester 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, etc.[50 of registration fee] • Permission to register for doing M.Phil/ Ph.D. programmes to enhance their qualifications. • Concessional tuition fee for their children's who are pursuing their career in SNS Group of Institutions. • Frequent outing with stress busting activities. • Some other benefits such as Group Medical Insurance, Medical Leave Facility, On duty facility, Provident Fund, ESI, etc

studies to enhance their qualifications. • Concessional tuition fee for their children's who are pursuing their career in SNS Group of Institutions. • Frequent outing with stress busting activities. • ESI and PF contribution by the Management • Group Insurance • Concessional Transport Facility • Leave facility such as Casual Leave, Medical Leave and Maternity Leave Facility

the students under 5 different scholarship schemes such as • Single Parent Scholarship :Student with Single Parent (Mother only) • No Parent Scholarship :Student with No Parent alive • Government Employee Toddler Scholarship :Children of Government Employee • SNS Employee Toddler Scholarship :Children of SNS Employee • Deserving Student Scholarship :Deserving Student who excel in Curricular, Co -curricular Extracurricular activities • Scholarship for the deserving sports students • Best Outgoing Student [BOG] Award for final year student with monetary benefit. • Outstanding Student Award for II and III year student with monetary benefit. • Remission of Travel and Registration fee for achievers in Co-Curricular activities. • Subsidized Bus Fare • Group Insurance Scheme • State/Central Government Scholarship facilities • Support for getting Educational Bank Loan / Financial Assistance from Private Trust.

6.4 – Financial Management and Resource Mobilization

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

Yes, the college has a well structured mechanism of internal and external audit. Internal Audit: 1 Ensures whether expenses incurred are in accordance with the budget approved. 2 An internal approval system is in practice for all expenses made. 3 Internal Audit is done by the college accounts section and the accounts department of the Trust office. External Audit 1 Book of accounts are prepared as per statutory requirement and audited annually by External Qualified Charted accountants. 2 M/s K.S. Palanisamy Co. Audit the trust documents and are responsible for filing of returns with Income Tax department and others. The boys hostel, girls hostel and Controller of exam office are subject to annual audit by the institution. • The institution maintains separate books of accounts for all the units and activities which are subject to annual audit by the independent chartered accountants and financial statements are also certified by the audit firm and the audit reports are

issued every year. • Grants received from various bodies like UGC, AICTE, ICMR,CSIR, DST etc., are audited and utilization certificates are submitted for the grants received before submission of Reports. Finance Committee : The finance committee is constituted as an advisory body on all matters concerning with the finances of the college as per the regulation of UGC. The Governing Body reviews and ratifies the proceedings.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Management (Sri SNS Charitable Trust)	184600000	College Developmental Activities

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6.4.3 – Total corpus fund generated

20000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts from reputed Institutions	Yes	IQAC
Administrative	Yes	External Experts from reputed Institutions	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• Parent teachers meetings are conducted to have a platform to interact with students, parents and teachers. These meetings help in improving the holistic development of the students. 1. During the meeting, the parents are informed about the Attendance of the ward, internal marks, dress code, code of conduct and the overall academic performance of the student. 2. Parents suggest the ways and means for the development of the college during parents meeting. 3. Educative programmes for parents are offered through these kind of gatherings. Parents are oriented on online fee payment system, usage of online education, handling of present day youth. 4. A feedback form is received from the parents related with the syllabus offered and suggestions are received to improve student – Parent and teacher relationship. • Alumni parents are invited for giving guest lectures, special talks and internship to the students. • A student is attached with a faculty mentor who will assist the student to grow and the same is updated to their parents during the meeting or as and when required. College happenings such as placements, programmes, etc are communicated to parents via SMS.

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

• Permission to do higher studies to enhance their qualifications. • Frequent training programmes are conducted to upgrade their skills. • They are sent for Industrial training during Vacation to improve their skills • Programme targeting Ethics, Team Building, Leadership skills, etc is conducted once in a

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

1. Effective implementation of Outcome Based Education(OBE) and Choice Based Credit System(CBCS) is in practice. 2. CBCS offers a range of choice for students to choose from Professional Core and Electives, Open Electives, Engineering and Basic Science, Humanities and Science courses and Employability enhancement courses. 3. Modular courses have been introduced to enhance the capabilities of learning and to bridge the academic industry gap. 4. Fast track system enabling the meritorious students to study eighth semester courses in the earlier semesters and to undertake fulltime internship or industrial projects has been introduced. 5. Inclusion of One-credit courses based on the contemporary industrial practices and needs. 6. Internships / Field visits and career-oriented training incorporated in the curriculum. 7. Incorporating Design Thinking during delivery of lectures 8. Incorporation of innovative teaching pedagogies such as ICT enabled lectures, flipped classroom, jigsaw method, think-pair-share, analogy etc. for effective teaching learning process. 9. To inculcate lifelong learning, the Institution motivates faculty members and students to complete one course per year in self-learning mode through online portals like NPTEL, SWAYAM, Udemy,etc 10. Online quick assessment by using tools during class room sessions. 11. Faculty visits to the industry, research laboratories, and universities in India abroad. 12. Management sanctions Rs.30 Lakhs every year for research and development. 13. Established Center of Excellence in Robotic Process Automation in collaboration with Automation Anywhere Inc 14. IQAC Goal setting on 5 pillars for faculty members and students with benchmarks.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Short Term Training Programme on NBA Accreditation in association with National Institute of Technical Teachers' Training Research (NITTTR), Kolkata	22/04/2019	22/04/2019	26/04/2019	40
2018	Conducted "Design Thinking Bootcamp"	24/06/2018	24/06/2018	29/06/2018	3374

	for Innovation for Faculty and Students				
2018	IQAC Quarterly Meeting I Preparation of 2018-19 Action Plan with benchmarks	29/06/2018	29/06/2018	30/06/2018	30
2018	Framing the goals /targets for each faculty member with their academic, teaching, administrative and research responsibilities	20/07/2018	20/07/2018	20/07/2018	287
2018	Workshop on "IPR and Start-up for faculty and students	03/10/2018	03/10/2018	05/10/2018	41
2018	Workshop on Various Teaching Pedagogies and Technology based learning, QP Quality Index Blooms Taxonomy	10/10/2018	10/10/2018	10/10/2018	53
2019	Short Term Training Programme on Development of Laboratory Instruction and Manual in association with National Institute of Technical Teachers' Training	04/02/2019	04/02/2019	08/02/2019	35

2019	Prepared teams and participated in Smart India Hackathon/ for Innovation	02/03/2019	02/03/2019	03/03/2019	16
2019	Seminar on Challenges and Opportunities of NAAC revised framework	13/03/2019	13/03/2019	14/03/2019	44
2019	International Conferences on "Mechanical Sciences"	27/03/2019	27/03/2019	28/03/2019	250

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
National seminar on Legal Empowerment for women	09/11/2018	09/11/2018	542	0
International Women's Day Celebration	08/03/2019	08/03/2019	768	0
Seminar on Women safety	07/03/2019	07/03/2019	96	0
Kovai Wonder Women	08/03/2019	10/03/2019	1993	957
Gender Sensitization Programme	18/03/2019	18/03/2019	117	251

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

Percentage of power requirement of the University met by the renewable energy sources
Total power requirement : 600KVA Type of Renewable energy source used : Solar Energy A solar power plant of 450kW capacity is installed in our college and it

is functional from August 2018. The capacity of solar panels installed on roof of each block as follows • 'C' block100kW covers the area of 6800 Sq.Feet, • 'D' block200kW covers the area of 13600 Sq.Feet, • 'F' block150kW covers the area of 9600 Sq.Feet. Power Requirement of the College : 96320 units per month Power requirement met by renewable energy source(Solar Unit): 35456 units per month approximately. A SCADA based control is used for the purpose of controlling the plant. Percentage of power requirement met through renewable energy :37

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	4
Scribes for examination	Yes	8
Special skill development for differently abled students	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	05/10/2018	1	Safety	Traffic rules and Regulation , Accident Prevention	50
2019	1	1	20/02/2019	1	Save Water	Awareness about Saving of Water	35
2019	1	1	14/02/2019	1	Voting –S ignature Camp	Awareness about Voting	132
2019	10	10	25/02/2019	1	Computer Literacy Programme	How to use Computer by using Latest Te chnologie s	96
2019	3	8	25/02/2019	1	Plastic Awareness Programme	Causes of Plastic	52

					in kovilp alayam		
2018	12	2	13/08/201 8	2	Flood Relief Fund Coll ection for kerala	Fund Donated	15
2018	12	2	08/10/201 8	2	Upliftmen t of Under Pri vileged children through SRI	Books Donated	12
2019	1	2	01/10/201 9	1	Swachh Bharat Campaign at Vazhia mpalyam	Cleanline ss	55
2019	1	2	26/02/201 9	1	Sapling trees	Green Env ironment	55
2019	1	1	25/02/201 9	1	Awareness camp on no Tobacco	causes of using tobacco	44
2019	1	1	06/02/201 9	1	Health awareness program from locally available natural resources	Creating awareness among public on how to convert the natural resources into useful medicines	29
2019	1	1	23/01/201 9	1	Tree Planting	Pollution free village	55
2018	1	1	05/10/201 8	1	Social Awareness Program on "Epidemic of Mobile Addiction "	Mobile Addiction	530
2018	1	1	29/09/201 8	1	Awareness Program on "Cashless Electroni	Difficult ies in Liquid cash tran sactions	63

					c Transaction"		
2019	1	1	25/01/2019	1	Awareness Programme on "Plastic Pollution"	Plastic bags are harmful to domestic animal, wildlife and marine life	49
2019	1	1	07/02/2019	1	Awareness Rally on "30th Road Safety Week"	Causes of not wearing helmets, seat belts Traffic rules	60
2019	1	1	22/02/2019	1	Awareness Programme on "Road Safety"	Causes of not wearing helmets, seat belts Traffic rules	57
2019	1	1	28/01/2019	1	Celebrating Life First Aid	Various First aid techniques	502
2018	1	1	03/07/2018	1	Orphanage visit	To help orphanage students distribute Notebooks	51
2018	1	1	08/09/2018	1	Voluntary Blood Donation Camp	Collection of blood and importance of donating blood	52
2019	1	1	13/02/2019	1	Blood Donation	Importance of donating blood	215
2019	1	1	13/02/2019	1	Awareness program on 'Celebrating Life' and 'First	First aid techniques	154

2018	1	1	15/09/2018	1	Awareness Lecture on "Diet Exercise"	Importance of diet and Exercise	160

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Students Calendar (Handbook for Students) consists of Code of Conduct for 1. Students in College 2. Students in Hostel 3. Parents	17/06/2018	All the stakeholders are informed about the code of conduct at the starting of the year. Students who indulge in any form of misconduct can be resolved directly by the faculty or instructor. If a professor or instructor determines that a student has engaged in classroom/field misconduct, he/she may raise the problem to the concerned Head of the department. The same issue can be brought to the knowledge of the Principal if needed. To monitor the overall performance of the students one faculty member has been assigned as a mentor for 15 to 20 students. Students will be guided by their mentor for any academic or nonacademic support Mentor set the targets for their ward and helps him to attain the targets. He records the accomplishments of their academic performance and participation in club activities and any other initiatives. In order to improve the academic performance of the students and to groom them in all aspects Tutorward meeting, collaborative meeting and class committee meeting is being conducted regularly every fortnight.

Staff Policy Book (Teaching and Non Teaching)	17/06/2018	Staff policy book describes all the activities to be carried out by the faculty members. It is prepared based on their grade/cadre.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Awareness Program	29/01/2019	30/01/2019	715
Flood Relief Fund Collection for kerala	13/08/2018	14/08/2018	15
Upliftment of Under Privileged children through SRI	08/10/2018	09/10/2018	12
Kovai Wonder Women	08/03/2018	10/03/2018	3000
Solar PV Installation and Application for Domestic Needs	21/02/2019	22/02/2019	100
Tree planting	23/01/2019	24/01/2019	600
Health awareness camp	06/02/2019	07/02/2019	200
Awareness program on Beat Plastic Pollution	11/08/2018	11/08/2018	61
Awareness program on Road Safety	25/02/2019	25/02/2019	30
Awareness camp on Importance of Ground Water	14/02/2019	14/02/2019	45
Awareness camp on Improved efficiencies of Chulas	14/02/2019	14/02/2019	45
Road safety Awareness	26/02/2019	26/02/2019	50
Free Eye Checkup Camp	30/08/2018	30/08/2018	170
Awareness camp on Save Water	20/02/2019	20/02/2019	85
Awareness Camp on Organ Donation	26/02/2019	26/02/2019	40
Awareness programme in "Voting -Signature Camp at Saravanampatti,coim	14/02/2019	14/02/2019	150

batore			
Motivational Talk in "RIGHT ATTITUDE	05/01/2019	05/01/2019	120
Guest lecture on "Gate Awareness	19/02/2019	19/02/2019	60
Food smuggling and hoarding	16/02/2018	16/02/2018	13
A social event on Contribution of basic needs to the girl children at "Sharanalya", Thudiyalur	03/03/2018	03/03/2018	45
A social event on Contribution of basic needs to the orphan children at WME Children's Home, NGGO Colony	03/03/2018	03/03/2018	45
Awareness Programme on "Plastic Pollution"	25/01/2019	25/01/2019	54
Awareness Programme on "Road Safety"	22/02/2019	22/02/2019	47
Awareness Program on "Cashless Electronic Transaction"	29/09/2018	29/09/2018	54
Public Awareness Program on "Management of Plastic waste"	03/02/2018	03/02/2018	43
Anti Plastic Encouragement of Eco Friendly Product Usage	25/01/2019	25/01/2019	600
Plastic awareness and Environment Sustainability	16/02/2018	16/02/2018	600
Epidemic of Mobile Addiction	05/10/2018	05/10/2018	300
Plastic Awareness Programme in kovilpalayam	25/02/2019	25/02/2019	52
Swachh Bharat	01/10/2018	01/10/2018	55
Swachh Bharat	03/10/2018	03/10/2018	55
Cyclathon	20/01/2019	20/01/2019	112
Guest lecture on "Social Ethics"	03/04/2019	03/04/2019	56
Knowledge Meet on	26/03/2019	26/03/2019	50

Social Entrepreneurship			
Awareness camp on No Tobacco	25/02/2019	25/02/2019	65
Extension Activity Awareness Camp on Diet Fitness	19/02/2019	19/02/2019	98
Traffic rules awareness camp	06/10/2018	06/10/2018	131

[View File](#)

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

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 ecofriendly scenarios. They are • Waste Segregation • Water Recycling: Two separate sewage treatment plants (2700 sq.feet and 2100 sq.feet) with the capacity of 500 Kl/day collects all waste water which is treated and reused for gardening. • Rainwater Harvesting • Using sprinklers and drip irrigation for watering the plants and lawn which reduces wastage of water. • Energy conservation measures have been taken by o 450KW Renewable energy power generation(Solar Power) is installed o Replacing CRT monitors with TFT monitors o Providing good ventilation in the class rooms and hostel rooms. o Replacing tube lights with CFC bulbs. o Solar water heaters of 8000 litters capacity in the hostel. • Carbon neutrality is maintained with the 285 trees and 841 plants of the campus • Green audit has been conducted regularly by NSS, YRC, RRC units. 37 saplings, 716 plants and 243 trees are planted in and around the college premises and maintained. • Vehicle parking is located at the entrance to reduce pollution inside the campus. • Vehicle pooling is encouraged in the college. Persons residing nearby are commuting by bicycle or by walk. • The ewastes are collected and stored in separate places until they are disposed off to specialized dealers. • Apart from class rooms and laboratories, dust bins are kept in many places for clean maintenance of the campus. • Paperless office reduce the usage of paper Internal circulars, online mode of feedback, quiz exam etc.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Industry Based Curriculum and Collaborative Activities ? Objectives of the Practice The objectives of this initiative are: • To innovate upon and refresh the curriculum to reflect the latest developments in technology and trends within industry. • To integrate pure academics and pervasive industry engagement. • To provide students with skills for employment and imbibe positive work ethics needed to meet the demands of the changing industry and global environment • To enhance learning experience by participating in the Industry-integrated Collaborative Learning. • To enhance learning by incorporating experimental and experiential learning. ? The Context The college always aims to have a good interaction with the industry, and believes that the gap between industrial need and academia could be bridged by regular interaction with the industry. This is attained by • Design of industry based curriculum, development of laboratories in collaboration with industries • Establishing industry interaction through Industry Institute Participation

Cell[IIPC] • Imparting in-plant training/internship/industrial training to students and faculty members at industries • Inviting more people from industry to deliver Guest lectures • Conduct workshops/Seminars/FDPs/STTPs in association with industry • Industrial Projects and Consultancy works • Organizing HR Conclaves /HR meets to provide platform for students to have close interaction with HRs/Technical experts from reputed industries. • Collaboration with academic institutions and others for mutual benefit The students' learning experience is no longer limited to the listening and understanding to the concepts and theories in the classrooms and laboratories, but they have the opportunities to apply the concepts in practice. They also have an opportunity to work with the leading industrial experts and have a chance in using the cutting edge technology tools and equipment at their work-placement. Collaborative activities with Industries would also enhance the students' learning experience in many aspects like Acquiring New Skills and Knowledge and Preparing for Industry Ready Graduates ? The Practice • Industry based Curriculum: In the curriculum few courses are exclusively framed in consultation with MOU signed industries (Infosys Campus Connect) to meet their current requirements for making the graduates industry ready from day one onwards. • Industry internship: The college introduced industry internship as integral part of its curriculum. Each student has to do an industry internship before he graduates. • One Credit Courses: 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. Experts from the industry may design such specialized one-credit courses based on the current technical skill requirements. Students can complete such one credit courses during the semesters from IV to VII • Faculty exchange and development Interaction of faculty members with the industry creates a platform for learning advanced tools and practices in the industry. Faculty members regularly visited various academic institutions and industries regularly to share and enhance their knowledge and to equip the students in the relevant fields. • MoUs: The college has signed more than 250 MoUs with both National and International Industries/Universities. The college has signed MOU with Kyungpook National University, South Korea for collaboration. ? Evidence of Success Learning experience of the students' initiative and organizational skills is developed during a project work in at an industrial organization. These learning experiences results in the increase of the students' self-sufficiency and development of students' self-confidence. The outcomes of collaboration are 1. Training for students faculty 2. Joint Publication 3. Collaborative Research 4. Project Internship for students 5. Sponsored Project 6. Consultancy ? Problems Encountered and Resources Required For continued success with increasing number of Colleges and students it is challenging to have: a. Participation of adequate number of organizations / Industries for partnerships b. Time constraints and hectic work schedule of Industrialists c. Participation and sustained commitment and dedication of Industries and faculty members d. Active Student Participation e. Monetary Expenses f. Find industries related to the study of the students is the difficulties faced by all means to enhance the students' level of learning. Activity based students' centric learning ? Objectives of the Practice Student-centered learning environment is one where the focus of instruction is shifted from the teacher to the student, with the goal of developing students who are self-directed and independent, by placing the responsibility of learning in the hands of the students. Engaging students, teaching problem solving skills, getting students to think about thinking, allowing students to have control, and encouraging collaboration are all characteristics of learner-centered teaching. The following are the benefits of student centered learning Develops independent and teamed up thinking skills. Develops communication and social skills. Encourages alternative methods of assessment. Helps students transfer skills to the real world. Promotes

intrinsic motivation to learn. ? The Context SNS College of technology stands on its goals to achieve the vision of quality education and student centered learning using activity based method. The Activity Based Learning (ABL) method uses student-friendly educational aids to foster self-learning and allows students to study according to his or her aptitude and skill. Activities in each milestone include understand a concept. Activity Based Teaching Learning (ABTL) is an effort to overcome the limitations of traditional mode of course delivery. Progressive pedagogical models are used for the enhancement of course learning. To meet the objective different activities are designed and practiced along with class room teaching. ? The Practice It is a real challenge to make the students strong in their theoretical concepts to carry out projects. To facilitate this project based approach, learning through activities is practiced in the classes. The issues are addressed by adopting activity based pedagogical teaching learning practices. The framework of pedagogical activities designed and practiced in teaching learning includes several activities: icebreakers, warm up sessions, mid lecture wakeup activities, game based learning, worksheets, simulations, one minute talks, group discussions, hourly plans, think pair and share, case studies, implementation assignments, quizzes etc. ? Evidence of Success Activity-based learning is based on effective student-teacher interaction. Active learning encourages students to inquire, explore, experiment, collaborate and experience the joy of learning. In this technique the role of teachers shifts from that of delivering knowledge to that of facilitating and motivating. It provides interactive classroom environment. It provides scope for group discussions and thinking beyond the curriculum. The presentation skills are improved. Peer learning by think pair and share is possible. The students are encouraged to apply the theoretical concepts to real time scenarios. The immediate feedback is used to fill the gap of teaching and learning. These activities helped the students to publish research articles in National and international journals. Students actively involved themselves in developing innovative mini projects and brought laurels to the college by participating in various competitions. Students who have passed out have done extremely well in the corporate world. Some students have put their learning into application by starting their own businesses ? Problems Encountered and Resources Required The student-centered learning approach is diametrically opposed, in its ethos, to the philosophy underlying the conventional method of learning. By its very nature, student-centered learning allows students to shape their own learning paths and places upon them the responsibility to actively participate in making their educational process a meaningful one.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://snsct.org/sites/snsct.org/files/u278/Best%20practices%20SNSCT%202018-19.pdf

7.3 – Institutional Distinctiveness

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

The distinctiveness of SNS College of Technology is that it focuses on Design Thinking in its curriculum framing, curriculum delivery, research activities, projects, and all associated curricular and other activities. Design Thinking is a design methodology that provides a solution-based approach to solve problems. It's extremely useful in tackling complex problems, • By understanding the human needs involved • By re-framing the problem in human-centric ways • By creating many ideas in brainstorming sessions and • By adopting a hands-on approach in prototyping and testing. Understanding these five stages of Design Thinking will empower the students and faculty members of

SNS to apply the Design Thinking methods in order to solve complex problems that occur around us. SNS focuses on the five-stage Design Thinking model. The five stages of Design Thinking are as follows: ? Empathizing: Understanding the human needs involved. ? Defining: Re-framing and defining the problem in human-centric ways. ? Ideating: Creating many ideas in ideation sessions. ? Prototyping: Adopting a hands-on approach in prototyping. ? Testing: Developing a prototype/solution to the problem. ? OBJECTIVE • To immerse students into the world of innovation as a systematic process of tackling relevant business and/or social problems. • To provide a social and thinking space for the recognition of innovation challenges and the design of creative solutions. • Using a practical hands-on approach, this workshop will support student in the sketching, conception and early development of an innovation challenge, which is a critical input for the innovation course • To exercise their foresight and insight muscles in the process of opportunity identification/creation. SNS works on Design Thinking in 7 industry verticals and 5 technologies as its thrust areas, and they are as follows: ? INDUSTRY VERTICALS Agriculture Food Technology Healthcare Biomedical Power Energy Aerospace and Defence Automobiles Smartcity Fintech ? TECHNOLOGIES Augmented reality / Virtual reality Internet of Things Data Analytics Robotics and Automation 3D Printing Design thinking Boot Camps of 1week duration is organized for Students, Faculty Members and Supporting staff members. All were made to experience the 5 stages of design thinking. As an outcome of this highest number of innovative ideas were exhibited by the students of SNS in the Codissia Trade Fare Complex.

Provide the weblink of the institution
http://snsct.org/sites/snsct.org/files/u278/Institutional%20Distinctiveness%20SNSCT%202018-19.pdf

8.Future Plans of Actions for Next Academic Year

1. To introduce new regulation R2019 incorporating DT framework 2. To adopt Choice Based Credit System as per AICTE model curriculum 3. To introduce Industry Integrated courses specialising in Artificial Intelligence, Data Analytics, IoT, 3D Printing and AR/VR 4. To introduce Business English Certification Course and other foreign language courses 5. To conduct Induction Programme for I year students with a new approach. 6. To inculcate modern teaching pedagogy using advanced ICT tools (Moodle, Kahoot, Hot Potato, Plickers and Google Classroom) 7. To have effective learning practice by having student centric learning approach 8. To educate the students to use resources available in MOOC portals such as NPTEL, Courseera, Udemy to have lifelong learning processes. 9. To establish Centre of Excellence in few areas such as Robotics and Automation and AR/VR 10. To create research culture among faculty members and students and motivate them to publish their research work in Scopus/ web of science indexed Journals. 11. To encourage the students and faculty members to publish more patents/copyrights for their innovations. 12. To organise collaborative International Conferences, and Faculty Exchange Programme with Foreign Universities (South Korea, Malaysia, Singapore). 13. To enrich the Academic partnership with leading Industries like Infosys, IBM, Google, Texas Instruments etc. 14. To generate more revenue through consultancy to the Industry and Public Organization. 15. To keep students updated with latest operational trends and career prospects 16. To achieve more than 80 of Graduation and Placement 17. To establish MHRD's Innovation centre in the campus. 18. To apply for CII, NIRF, ATAL rankings 19. To imbibe values and ethics among students by regularly having moral talks, Social responsibility activities etc. 20. To establish a holistic learning environment with academics, co-curricular activities, sports, etc