



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Name of the head of the Institution	T.Ch. SIVA REDDY
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08415-200595
Mobile no.	9848718185
Registered Email	info@sreenidhi.edu.in
Alternate Email	principal@sreenidhi.edu.in
Address	YAMANMPET VILLAGE, GHATKESAR MANDAL, MEDCHAL-MALKAJGIRI DISTRICT
City/Town	HYDERABAD
State/UT	Telangana
Pincode	501301

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)			14-Jun-2010		
Type of Institution			Co-education		
Location			Rural		
Financial Status			private		
Name of the IQAC co-ordinator/Director			Dr.P.V.S Srinivas		
Phone no/Alternate Phone no.			04027631236		
Mobile no.			9866861613		
Registered Email			iqac-snist@sreenidhi.edu.in		
Alternate Email			info@sreenidhi.edu.in		
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)			https://www.sreenidhi.edu.in/pagecontents.php?catid=11&scatid=312		
4. Whether Academic Calendar prepared during the year			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.sreenidhi.edu.in/pagecontents.php?catid=12&scatid=266		
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.18	2013	23-Mar-2013	22-Mar-2018
6. Date of Establishment of IQAC			18-Oct-2013		
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	

Feedback from all stakeholders collected, analyzed and used for improvements	08-Apr-2019 1	100
Internal Quality Assurance Cell (IQAC)meeting	14-Jul-2018 2	22
Internal Quality Assurance Cell (IQAC)meeting	20-Oct-2018 2	22
Internal Quality Assurance Cell (IQAC)meeting	17-Dec-2018 2	22
Internal Quality Assurance Cell (IQAC)meeting	16-Feb-2019 2	22
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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
Institution	Phase-I	TEQIP -I, Funded by Govt. of India	2005 1460	112000000
Institution	Phase-II	TEQIP -II ,Funded by Govt. of India	2013 1460	40000000
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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)

Organizing Board of Studies meeting regularly in every department.

Organizing college academic council meeting every year to approve the scheme and syllabi as recommended by respective Boards of Studies.

Regularly conducting Finance Committee Meeting every six months.

Regularly conducting Board of Governors (BOG) meetings and approving budget as recommended by Finance Committee. BOG takes note of the academic activities, placements and results and advise proper action to be taken wherever necessary.

Sponsoring teachers for FDP, national and international conference.

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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
a) Department wise Conference/Seminars	Executed
b) Creation of department wise and college wise Quality Circles	Executed
c) Organising department wise Board of Studies Meetings to revise Curriculum based on Skills in Demand Analysis and opinion of Industry and Academic Experts	Executed
d) Organising Standing Committee and Governing Body Meetings	Executed
e) Procuring Text, Reference books and Software Packages in accordance with requirements of curriculum.	Executed
f) Conducting Campus Recruitment Training for the students to enhance their employability skills	Executed
g) Sponsoring teacher to attend International/ National Conference and FDP Programs	Executed
h) Sending teachers for Industrial Training in their core areas respectively	Executed
i) Establishment of Technology Entrepreneurial Programs in collaboration with Indian School of Business (ISB-Hyderabad) and starting courses such as 'Product and Services	Executed

Design' and 'General Management and Entrepreneurship', project phase I and II	
j) Organizing department wise conferences/seminars	Executed
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Academic Council & Governing Body	24-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2018
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Date of Submission	20-Feb-2018
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institution has a fullfledged Management Information System software namely SAP, which is an Entrepreneur Resource Planning (ERP) package which costed Rs. 2 crore. The following are the modules used under SAP system: a) Human Capital Management b) Material Management c) Student Life Cycle Management d) Financial Accounting and Controlling e) Plan Management
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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
BTech	A12	IT	10/01/2019
BTech	A05	CSE	10/01/2019
BTech	A04	ECE	19/01/2019
BTech	A03	ME	10/01/2019

BTech	A23	BT	19/01/2019
BTech	A01	CE	10/01/2019
BTech	A02	EEE	10/01/2019
BTech	A19	ECM	11/01/2019
Mtech	D04	CAD/CAM(ME	10/01/2019
Mtech	D49	EPE(EEE)	10/01/2019
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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
BTech	Computer Science and Engineering	10/01/2019	7FC01	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7BC01	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7HC01	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7HC20	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7FC71	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7BC61	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7HC61	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7E191	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7EC01	10/01/2019
BTech	Computer Science and Engineering	10/01/2019	7HC09	10/01/2019
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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
BTech	Computer Science and Engineering	10/01/2019

BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019
BTech	Computer Science and Engineering	10/01/2019

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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
BTech	Computer Science Engineering	10/01/2019
BTech	Information Technology	10/01/2019
BTech	Mechanical Engineering	10/01/2019
BTech	Civil Engineering	10/01/2019
BTech	Bio Technology	19/01/2019
BTech	Electronics and Communication Engineering	19/01/2019
BTech	Electrical Engineering and Electronics	19/01/2019
BTech	Electronics and Computer Engineering	11/01/2019
Mtech	EEE - Electrical Power Engineering	19/01/2019
Mtech	ME - CAD / CAM	10/01/2019
Mtech	ECE - Digital Systems and Computer Electronics	19/01/2019
Mtech	IT - Computer Networks and Information Security	10/01/2019
Mtech	CSE - Computer Science Engineering	10/01/2019
Mtech	CSE - Computer Science	10/01/2019
Mtech	ME - Thermal	10/01/2019

	Engineering	
MBA	Master of Business Administration	15/01/2019

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
Embedded System Design and Its Real Time Applications Conducted by SRIROY Technologies	28/01/2019	152
certification courses by NPTEL	10/01/2019	124
PCB design by Indeyes Info tech ,Indore	04/10/2018	112
Simulation of Antenna Design and Analysis using Ansys Software by ARK solution	11/10/2018	140
Routing and Switching Concepts in Data Communication and Networking Using Cisco Packet Tracer by CISCO Network academy, SNIST	27/07/2018	168
Embedded systems by Indeyes Info tech ,Indore	08/10/2018	291
Embedded systems and its applications by Indeyes Info tech ,Indore	16/10/2018	183
LTE and 5 G Technology by Acumens research	11/03/2019	46
Campus Recruitment Training Programme	15/05/2019	85
Orientation Program	06/08/2018	420
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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
BTech	Mechanical Engineering	640
BTech	Bio Technology	104
BTech	ECE	1012
BTech	Civil Engineering	110
BTech	EEE	637
BTech	CSE	500
BTech	IT	550
BTech	ECM	341

Mtech	CNIS	13
Mtech	DSCE	12
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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
<p>The Departments (in turn the institution) are monitored and guided in the designing of program curriculum by the respective Department Academic Committee (DAC) and Board of Studies (BOS). Department Academic Committee (DAC) comprises Professors, Associate Professors, and two senior Assistant professors as members from the department and is chaired by Head of the Department. The Board of studies (BOS) committee consists of Head of the Department as a Chairman, three subject experts (One University nominee two external members) and one member from Industry, one member from alumni and all senior faculty members of the Department. The BoS meetings are conducted twice in a year. The regulations and curriculum revision are being implemented every three years. The feedback from different stakeholders (student, Teachers, Employers, Alumni, and parents) is collected during customary gatherings of these groups. The regular feedback from different stake holders is gathered for the audit in the review of the department academic committee meetings. By combining the suggestions given by all the stakeholders regarding curriculum and its effectiveness in terms of industry needs are fused in the educational programs process. Based on the recommendations of BOS committee, the DAC does the modifications to the program curriculum. In curriculum design, core electives, professional electives and open electives are added based on the recommendations of stakeholders. The consolidated selection of all courses will be chosen based on components of recommendations given by AICTE, BoS, and DAC accordingly designs and implements the curriculum.</p>

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
Mtech	TE	24	15	15
Mtech	CAD/CAM	18	14	14
Mtech	EPE	18	8	8
BTech	CE	60	60	60
BTech	ME	240	219	219
BTech	ECE	420	420	420

BTech	EEE	180	176	176
BTech	ECM	180	180	180
BTech	IT	240	240	240
BTech	CSE	300	300	300
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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	6783	288	356	32	Nil

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	Number of smart classrooms	E-resources and techniques used
356	356	4	80	80	2

[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)

Student Mentoring and Counseling System (SMCS) The college has a student mentoring and counseling system in place, the goal of which is to resolve or address the day to day academic and nonacademic matters of the students. In this regard, mentors are appointed for a batch of 20 students, and they will counsel the respective students once in a week, to tackle the problems which come across during their course of study. This is a continuous process till the end of the academic career of the student. The Mentors also help in identifying the strengths and weaknesses of the students and advise them to improve upon the same. Also, the importance of Personality Development with regard to the effective communication skills, group skills, hobbies, learning ability, learning agility, adaptability, result orientation, etc are discussed in order to enlighten them. The need for avoiding backlogs, getting first class marks etc. are also stressed upon. During the last semester of study, students are advised for higher studies along with proper career guidance. Reasonable numbers of students have thus secured admissions for their higher studies and they are in turn guiding their juniors for their prospective admissions. Objectives of the SMCS: • To monitor the students regularity and discipline • To enable the parents to know about the performance and regularity of their wards • Improvement of teacher student relationship • Counseling students for solving their problems and provide confidence to improve their quality of life • To enable students to choose the right career path for job, higher studies, entrepreneurship etc. Duties of Mentors: • We should note down the brief family background of the students and their home addresses along with phone numbers and Email IDs. • We should meet the student atleast once in a week and inform them about the time convenient to both counselor and student. • We should try to get the information about the performance of the students through teachers handling their classes. • Back benchers those who do not stay focused in the class and those who do not write class notes are usually low scorers and have backlogs. It is our duty to get information from class teachers and ensure that the students are advised suitably. Also ensure that their parents are also advised about the same. • We should get the information about the performance of the students in midterm examinations, attendance etc., and maintain a record. • We should get the information about the academic and nonacademic difficulties faced by the students and advise and give them moral courage to overcome the difficulties and to develop confidence. • We should enquire about their reading habits and preparation for examinations and class work etc. • We should enquire about their hobbies in cultural, co

curricular, games and sports and encourage and help them to participate in intramural, intercollegiate and state level competitions. • We should contact the parents/guardians at least once in a month and brief them about the progress of their wards.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6783	356	1:19

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
356	323	33	33	26

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	Dr. V. Aruna	Professor	Award "Best Professor in Computer Science and Engineering" from Dewan Mehta, Business School.
2019	Dr. V. Aruna	Professor	Eco sure Award of Excellence - 2019
2019	Dr. V. Aruna	Professor	Gold Medal in Recognition of Creative Efforts to invent Automated Saline Water Dispensing System for Patients for enhanced health by National Research Council of Thailand
2019	Dr. V. Aruna	Professor	Certificate of Appreciation, SPOC for the SWAYAM - NPTEL local Chapter, SNIST Rated AAA based on Performance in NPTEL Online NPTEL Swayam, Apr 2019
2018	Dr.PVS. Srinivas	Professor	CMI Level 5 certification from 'Chartered Management Institute, UK' in Management Leadership from Dudley College, UK.

2018	Dr. T. V. Rajinikanth	Professor	Best Faculty of the Year Award 2018, CSI Award at IIT MUMBAI
2019	Dr. T. V. Rajinikanth	Professor	ISTE Best Engineering Teacher in Telangana State by ISTE - TS Section 2018"
2019	Dr. H. Balaji	Associate Professor	IJ RULA Awards, - Research Ratna Award of the Year 2019. Awarded for the Outstanding Contribution in the field of Research. 2019"
2018	Mr. M. Kiran Kumar	Assistant Professor	Best Paper Award, 2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad
2018	Mr. Fayaz Dafedar	Assistant Professor	Best Paper Award, 2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2018), Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad
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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
BTech	A03	I/II	18/06/2019	08/07/2019

BTech	A02	I/II	18/06/2019	08/07/2019
BTech	A01	I/II	18/06/2019	08/07/2019
BTech	A19	I/I	09/01/2019	28/01/2019
BTech	A12	I/I	09/01/2019	28/01/2019
BTech	A05	I/I	09/01/2019	28/01/2019
BTech	A04	I/I	09/01/2019	28/01/2019
BTech	A03	I/I	09/01/2019	28/01/2019
BTech	A02	I/I	09/01/2019	28/01/2019
BTech	A01	I/I	09/01/2019	28/01/2019
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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
7	6783	0.10

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://sreenidhi.edu.in/pagecontents.php?catid=4&scatid=35>

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
D78	Mtech	CNIS	7	7	100
D49	Mtech	EPE	12	10	83.33
D06	Mtech	DSCE	15	15	100
A23	BTech	BT	45	44	97.78
A19	BTech	ECM	109	108	99.08
A12	BTech	IT	233	233	100
A05	BTech	CSE	359	355	98.89
A04	BTech	ECE	482	482	100
A03	BTech	ME	269	262	97.40
A02	BTech	EEE	141	140	99.29

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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://sreenidhi.edu.in/pagecontents.php?catid=8&scatid=307>

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
Dr P Venkat Reddy (Weighing balance machine) (Physics)
View File

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.Subhananda Rao	International Travel Grant	16/06/2018	Sreenidhi Institute of Science and Technology
International	Dr.A. Purushotham	International Travel Grant	16/06/2018	Sreenidhi Institute of Science and Technology
International	Mr.K Damodhar Rao	International Travel Grant	28/01/2019	UGC, Govt of India
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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
Any Other (Specify)	1095	AICTE	15.03	15.03
Any Other (Specify)	730	AICTE	6.18	6.18
Any Other (Specify)	730	AICTE	8.82	8.82
Projects sponsored by the University	365	JNTUH/TEQIP	3	3
Projects sponsored by the University	365	JNTUH/TEQIP	2.9	2.9
Projects sponsored by the University	365	JNTUH/TEQIP	2.95	2.95
Projects sponsored by	365	JNTUH/TEQIP	2.82	2.82

the University				
Projects sponsored by the University	365	JNTUH/TEQIP	2.9	2.9
Projects sponsored by the University	365	JNTUH/TEQIP	3	3
Projects sponsored by the University	365	JNTUH/TEQIP	2.9	2.9
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.1

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
IPR Course	EEE	09/07/2018
IPR Course	ECE	09/07/2018
IPR Course	CSE	09/07/2018
IPR Course	IT	09/07/2018
IPR Course	ME	09/07/2018
IPR Course	ECM	09/07/2018
IPR Course	BT	09/07/2018
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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
Automated Saline Water Dispensing System for Patients for enhanced health	Chepuri Vineeth	National Research Council of Thailand 2019	06/02/2019	Student
Smart Medicine Kit	Dr.Aruna varanasi	INTARG, POLAND	07/01/2019	Teacher
Smart Jewellery Protection	Nihal Reddy	INTARG, POLAND	07/01/2019	Student
Pesticide Spraying Agri Drone	S Vinay Praveen Rao	Aeronautical Society of India	07/01/2019	Student
Smart City Bus system	Pruthvi Shashank	Sreenidhi Institute of Science and Technology	10/01/2019	Student

Smart City Bus system	Shreya Singh	Sreenidhi Institute of Science and Technology	10/01/2019	Student
Automatic Pani Puri Vending Machine	Rapolu Satish	Sreenidhi Institute of Science and Technology	10/01/2019	Student
Automatic Pani Puri Vending Machine	Palakurthi Shiva	Sreenidhi Institute of Science and Technology	10/01/2019	Student
Dirt Alert Device	Shaik Asha	Sreenidhi Institute of Science and Technology	10/01/2019	Student
Dirt Alert Device	M. Kavya	Sreenidhi Institute of Science and Technology	10/01/2019	Student

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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
START-UP	Venkat	Maker Global	Maker Global	3D Printing and Rapid Prototyping	19/11/2018
START-UP	Sreenidhi Institute of Science and Technology	Lohitha Power Systems Pvt.Ltd	Lohitha Power Systems Pvt.Ltd	Electrical Power Converters Manufacturers	13/05/2019

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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
Science Humanities	5
CSE	4
BT	5
IT	2
ME	1
MBA	2
ECE	4

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)
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National	ME	2	Nil
International	ME	27	Nil
International	BT	5	Nil
National	CE	1	Nil
National	EEE	4	Nil
International	EEE	34	Nil
National	MBA	2	Nil
International	MBA	12	Nil
National	ECM	4	Nil
International	ECM	14	Nil
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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
MBA	2
Science Humanities	9
ME	2
IT	13
ECM	4
ECE	16
EEE	1
CSE	4
CE	1
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
AUTONOMOUS FLOOR CLEANING APPARATUS	Published	201841033568	01/09/2018
AUTOMONOUS VISUAL TRACKING SYSTEM AND METHOD	Published	201841032703	07/09/2018
Pill Dispensing Device with Alerting System	Published	305874	14/11/2018
Dynamic Speed Limiter Mechanism for four wheeler for Indian Road conditions	Published	201841034913	28/12/2018
CLOUD PARKING MANAGEMENT SYSTEM AND VEHICLE ANTI-THEFT METHOD	Published	201921000271	08/02/2019

IOT-TRAFFIC SYSTEM: IOT BASED INTELLIGENT TRAFFIC, TRANSPORT MANAGEMENT	Published	201941004416	15/02/2019
ROBOTIC DEVICE DRIVEN BY ARTIFICIAL INTELLIGENCE (AI) CAPABLE OF CORRELATING HISTORIC EVENTS WITH THAT OF PRESENT EVENTS FOR INDEXING OF IMAGERY CAPTURED IN CAMCORDER DEVICE AND RETRIEVAL	Published	201741028240	15/02/2019
IOT-CVS-ROAD: IN IOT TECHNOLOGY CONTROL VEHICLE SPEED ON ROAD	Published	201921009939	29/03/2019
IOT BASED CROP DISEASE IDENTIFICATION SYSTEM USING OPTIMIZATION TECHNIQUES	Published	201941008413	05/04/2019
PATIENT MONITORING SYSTEM BASED ON EEG SIGNAL ACQUISITION MOBILE COMPUTING DEVICE	Published	201941020883	07/06/2019

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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
Effect of mix design parameters on mechanical and durability properties of alkali activated slag concrete	Chaitanya Srikrishna Thunuguntla	Construction and Building Materials	2018	4	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	4
STUDY ON	Nagaraja	Internat	2018	0		Null

PERFORMANCE OF TERNARY BLENDED HIGH STRENGTH HYBRID FIBER REINFORCED CONCRETE	K	Journal of Civil Engineering and Technology			SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	
A comparative analysis of artificial neural network and synchronous detection controller to improve power quality in single phase system	G.Panda P.S.Puhan	Int. J. Power Electronics and Science	2018	1	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	1
Analysis Of Adaptive Linear Neural Network (Adaline) In Power System Harmonics Signal	P.S.Puhan	Journal of Electrical Engineering	2018	1	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	1
Soft Computing Approach to detect Fault in Induction Motor	Sudarsan Behera	i- Managers Journal on Electrical Engineering	2018	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil
An Improved Space Vector Pulse Width Modulation for Nine-Level Asymmetric Cascaded H-	Dr Ragha vendra Reddy	Arabian Journal for Science and Engineering	2018	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil

Bridge Three-Phase Inverter						
A Linear Generator based wave power slant model using reliable multilevel inverter	Dr Ragha vendra Reddy	IEEE Transactions on Industry Applications (IEEE-IAS)	2019	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil
A Modified Space Vector PWM Approach for Nine-Level Cascaded H-Bridge Inverter	Dr Ragha vendra Reddy	Arabian Journal for Science and Engineering	2019	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil
Adaptive digital distance relay for SSSC based double circuit transmission line using phasor measurement unit	Dr Ragha vendra Reddy	International Transactions on Electrical Energy Systems	2019	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil
An open source tool for Reliability Evaluation of Distribution system using Monto carlo simulation	Dr.C.Bhargava	Indonesian Journal of Electrical Engineering and Computer Science	2019	0	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	Nil
View File						

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
Optimiza	Dr.S.	American	2018	Nil	Nil	

tion of Engine Parameters to Reduce the Emissions of CIDI Engine Fueled with Trans esterified Jatropa Curcas Oil	Vijaya Bhaskar	International Journal of Research in Science, Technology, Engineering Mathematics				SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
New Innovations in Internet of Nano Things for Smart Agriculture	Dr. G.S.Reddy	International Journal of Advanced Computational Engineering and Networking	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Design and development of break cylinder front axle using single operation die	G Konda Reddy	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Continuum formulation for large amplitude free vibration of uniform fixed-Hinged beam	G Konda Reddy	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Influence of Fuel Injection Pressure on Exhaust Emissions of Compression Ignition Engine Fuelled with Trans	Dr.S. Vijaya Bhaskar	American International Journal of Research in Science, Technology, Engineering Mathematics	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

esterified Rice Bran Oil						
A study on exhaust gas temperature and emission characteristics of a compression ignition engine fueled with transesterified rice bran oil	Dr.S. Vijaya Bhaskar	International Journal of Advanced Technology and Engineering Exploration	2018	7	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Improved multi-objective Jaya optimization algorithm for a solar dish Stirling engine	Hameer Singh Keesari	J. Renewable Sustainable Energy	2019	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
An adaptive multi-team perturbation-guiding Jaya algorithm for optimization and its applications	Hameer Singh Keesari	Engineering with Computers	2019	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Multi-team perturbation guiding Jaya algorithm for optimization of wind farm layout	Hameer Singh Keesari	Applied Soft Computing	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY
Numerical analysis of MHD double diffusive	Dr.P.Nitish Reddy	Annals of Chemistry - Materials Science	2018	Nil	Nil	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

nano-fluid convection in a cavity using FEM					
View File					

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

Number of Faculty	International	National	State	Local
Presented papers	26	15	Nil	Nil
Attended/Seminars/Workshops	Nil	63	56	Nil
Resource persons	Nil	9	8	5
View File				

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)
CIVIL ENGINEERING	Third party quality monitoring	Third party quality monitoring of construction of G4 building at DD Colony, Hyderabad. (Private work by Dr. PV Vasavi)	16000
ECE	Design and Development of Adaptive Notch Filter for Real Time Signal Processing Ongoing	RCI, DRDO	780000
ECE	Design of Test Simulator for Mistle Interface Unit	Apollo computing Laboratories	100000
ECE	Development of Intelligent Image and Video Processing Algorithm on Neural Networks with Edge Deployment	Smart Bridge IoT, Hyderabad	20000
EEE	Development of 1Kw EV Charger	Voltinosystems	300000
View File			

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
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Mechanical Engineering Department	Training Program for diploma enginners (STAs) of DRDL	DRDL Hyderabad	300000	36
View File				

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/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Free Medical Camp	Supraja hospitals, Nagole	10	285
Free Eye Camp	Solis Eye Care, ECIL	92	296
Vr1 run (Women safety)	SHE teams Hyderabad	5	346
Swachh Bharat (Yamnampet)	Govt.of India	70	349
Old Clothes Donation Drive	SNIST	90	310
Anti ragging rally	TS Police Department	10	410
Hartha Haram	Government of Telanagana	32	220
NSS Day Celebrations	NSS Unit	20	310
AIDS Rally	NSS Cell (JNTUH)	2	325
Women Empowerment Programme	NSS Unit	60	295
View File			

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
Ek Bharat Shreshth Bharath - 1	Camp Administrative Set up Management	NCC 5T BN NCC Secunderabad Group Telangana state policy Academy Hyderabad	15
Annual Training Camp-II	Participated in IUC-TSC	NCC 2T BN NCC Secunderabad Group	15
Committed to uphold highest standards of honest Integrity and follow probity and	Certificate of commitment	Central Vigilance Commision, New Delhi	1

rule of law in all walks of life			
Zonal Level Swachh Pakhwada	Participation	NSS Cell JNTU Hyderabad	20
Inter State Youth Exchange Programme Under Ek Bharath Srestha Bharath	Participation	Nehru Yuva Kendra Sangathan	20
NSS Regular Service Certificate	Excellent	NSS Unit JNTU Hyderabad	10
Activities conducted in Yamnampet Annojiguda	Best Volunteer Award (Kanuri Prabhat Kiran)	KMR Foundation	1
Activities conducted in Yamnampet Annojiguda	Best Volunteer Award (G. Sandeep Reddy)	KMR Foundation	1
Activities conducted in Yamnampet Annojiguda	Best Volunteer Award (Krishna Sahil)	KMR Foundation	1
Activities conducted in Yamnampet Annojiguda	Best Volunteer Award (S. N. Pravallika)	KMR Foundation	1
View File			

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 activities	Number of students participated in such activities
Election Duty (Webcasting)	Election Commission of India	Election Duty (Webcasting)	2	295
Rally Against Drugs, Smoking and Alcohol Consumption	NSS UNIT, SNIST	Rally Against Drugs, Smoking and Alcohol Consumption	42	421
Road safety awareness	Government of telangana	Road safety awareness	4	303
Vr1 run (Women safety)	SHE teams Hyderabad	Vr1 run (Women safety)	5	346
Swachh Bharat (Yamnampet)	Govt.of India	Swachh Bharat (Yamnampet)	70	349
Anti ragging rally	TS Police Department	Anti ragging rally	10	410
Hartha Haram	Government of Telanagana	Hartha Haram	32	220
NSS Day	NSS Unit	NSS Day	20	310

Celebrations		Celebrations		
AIDS Rally	NSS Cell (JNTUH)	AIDS Rally	2	325
Women Empowerment Programme	NSS Unit	Women Empowerment Programme	60	295
View File				

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
Collaborative research work	ShafeeVunnisa Sayyad	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	M Ramana Reddy N S Murthy Sarma P Chandrasekhar	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	Dasari Subbarao N.S.Murti Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	D Subbarao N.S.Murti Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	N S Murthi Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	N S Murthi Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	N S Murthi Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	N S Murthi Sarma	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	Pandya VyomalNaishadhkumar	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365
Collaborative research work	ShafeeVunnisa Sayyad	SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY	365

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
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	MUDUPU RAGHUVARDHAN REDDY
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	NAMPALLY SAI SHIRISHA
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	G SUSHMITHA
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	BOREDDY NIPUN REDDY
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	SYED MOHAMMED HASHEEM
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	GADDAM PAREEKSHIT REDDY
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	BOKKALA RAHUL
Internship	Estimating	JNTUH	10/06/2019	20/07/2019	PACHIKA

	Finishing Works of Sports Complex- Internship				ALEKHYA
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	BOREDDY NIPUN REDDY
Internship	Estimating Finishing Works of Sports Complex- Internship	JNTUH	10/06/2019	20/07/2019	ABBAGANI NISHITHA
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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
Smartbridge Educational Services Pvt Ltd.	03/12/2018	Educating training of students, in practical environment , to enrich teaching methodologies.	400
IBM	09/06/2018	Traning for faculty , students, on emerging technologies	120
Tejoma Technologies	04/04/2018	Application development, content, resourcing.	50
Electro Magnetic Devices, Cheralapally	03/03/2018	Industrial visit and study tour	72
Thrive Solar Energy Private Limited.	02/07/2019	Students are exposed to the industrial practices by participating in the program	110
Educatioan Matters Ireland	12/12/2018	Conducting seminars, encourageing the students in parcipating in the educational fairs.	50

Manya	15/06/2018	Provide event sponsorship, free GRE training	45
Mroads	25/01/2018	Provides internship for the UG and PG students.	65
Digital Evaluation Services, Eduquity Career Technologies Pvt.Ltd.	01/06/2018	Scanning center, evaluation, resources, answer scripts, traning, application customization.	150
Semi Conductor Laboratory	09/01/2018	Designing some CMOS circuits for fabrication in scl wafer lab	86
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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
2583.62	435.48

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

[View File](#)

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
LIBSOFT	Fully	12.0	2002

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	170264	51756190	11320	4358536	181584
Reference Books	12778	3647678	536	170312	13314	3817990
e-Books	30000	5900	313500	5900	343500	11800
Journals	333	710019	340	733821	673	1443840
e-Journals	7613	94860	3	7000	7616	101860
Digital Database	2005	70800	2613	70800	4618	141600
CD & Video	420	686290	121	Nil	541	686290
Library Automation	1	40000	Nil	Nil	1	40000
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others(s pecify)	Nil	Nil	Nil	Nil	Nil	Nil
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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
B PAVAN KUMAR	(3.1) DC GENERATORS AND DC MOTORS	IMPARTUS	11/07/2018
B PAVAN KUMAR	(3.2) DC GENERATORS AND DC MOTORS CONTINUED	IMPARTUS	12/07/2018
KOMARAIHAH M	(4.2) FOUNDRY PRACTICE	IMPARTUS	13/07/2018
VANIERUPAKA	(2.2) FUNDAMENTALS OF SINGLE PHASE AC CIRCUITS (R L C CIRCUITS)	IMPARTUS	16/07/2018
VANIERUPAKA	(2.1) FUNDAMENTALS OF SINGLE PHASE AC CIRCUITS	IMPARTUS	17/07/2018
KOMMURI VVP. CHARI	(3.1) Types Of DC Generators	IMPARTUS	18/07/2018
KOMMURI VVP. CHARI	(3.2) Build Up Of Emf In Self Excited	IMPARTUS	19/07/2018

	Generator		
praveen kumar gopagoni	(4.1) EXCEPTION HANDLIING	IMPARTUS	20/07/2018
KOMARAI AH M	(4.3) FOUNDRY PRACTICE	IMPARTUS	23/07/2018
ASHA DEVI DHARMAVARAM	(4.1) SEQUENTIAL CIRCUITS	IMPARTUS	24/07/2018
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	2766	61	0	20	188	142	248	350	129
Added	10	0	0	0	0	0	0	0	10
Total	2776	61	0	20	188	142	248	350	139

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

350 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
Impartus-snist	https://youtu.be/sLOagzrkqRw
Impartus-snist	https://youtu.be/v0Mbr8_uv0w
Impartus-snist	https://youtu.be/29zZi8pNqJE
Impartus-snist	https://youtu.be/ilWq-lBdnrc
Impartus-snist	https://youtu.be/AFKYLW5w2us
Impartus-snist	https://youtu.be/3KNh9BRZZdq
Impartus-snist	https://youtu.be/uhiO7Rhi_Nc
Impartus-snist	https://youtu.be/79Fxn73LeEI
Impartus-snist	https://youtu.be/VzfPi40DSWE

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 incurred on maintenance of physical facilities
Null	343425747.1	Null	4036586.34

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)

The physical infrastructure is one of the vital components that made teaching learning an enriching experience. Maintenance of all Physical, Academic and

Sports facilities of the college is very important for ensuring effective teaching learning system. The following procedures established for maintaining and utilizing these services. .Laboratories and Computers: There are in-charges, responsible for maintaining and utilizing the laboratories. There are situations where the syllabi are revised which results in adding some new experiments in various lab subjects and the Lab in-charges shall prepare the list of equipment or software to be procured at least one semester ahead. Some of the laboratories have excess number of lab setups when compared to the requirement and if there is any set up failure the students will not suffer. Each Laboratory has one Lab Assistant and the No. of sessions that they have to handle per week are limited to 8 - 9 sessions out of 12 sessions available per week. This is helping the Lab Assistants to keep all the lab facilities to be in proper condition. The equipment suppliers give warranty for 1 - 3 years and after expiry of warranty period if any trouble arises either the suppliers or other service providers are requested to attend to the same. It is a practice in the college to thoroughly check with regard to the performance of each of the experimental setups twice in a year during the semester breaks. The college is providing the facility of purchase of enough spares so that the Lab in-charges can change any component which fails by drawing from the stock. Stock registers are maintained for each of the Laboratories so that enough spares are available and stock is verified in regular intervals. 2. Library: It is fully automated (computerized) for issue/circulation and access of library resources. The library has an archives section. The Library has a committee headed by a Dean and one representative from each department. They meet whenever required and discuss about the new books required for the Library and also to purchase new editions of important books. They also suggest subscription to new journals whenever required. The college has introduced a Book Lending Scheme which is helping the students who have all the text books required in a semester at a very reasonable Book lending fee. Enough provision is made by the college for purchase of new books and also for subscribing to new journals. SC / ST students are given the facility to borrow more No. of books when compared to others. The college has large number of general books which are helpful to students for appearing GATE, GRE, TOEFL exams. The required books and journals are provided for a section of Library established for Civil Services Aspirants Club, the first of its kind in the State of Telangana. 3. Class Rooms: As stated already every class room is an e-class room and maintenance of equipment such as a desk top, LCD, Audio System etc.

<https://www.sreenidhi.edu.in/pagecontents.php?catid=5&scatid=43&prodid=60>

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	Poor Fund Scholarship	20	100000
Financial Support from Other Sources			
a) National	GATE	13	1934000
b) International	Nil	Nil	Nil

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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	Date of implemetation	Number of students	Agencies involved
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enhancement scheme		enrolled	
Remedial classes	02/02/2019	60	ECM DEPT, SNIST
Remedial classes	02/02/2019	106	CSE DEPT, SNIST
Remedial classes	02/02/2019	580	ECE DEPT, SNIST
Bridge courses	28/03/2019	54	BENTLEY
Bridge courses	02/04/2019	250	Durga soft, Hyderabad
Bridge courses	09/08/2018	120	Velly technologies,
Bridge courses	25/03/2019	250	Vision Networks
Bridge courses	10/09/2018	150	Coign consultants,
Bridge courses	27/09/2018	200	Tech IT Global, Bangalore
View File			

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 passed in the comp. exam	Number of students placed
2018	Civil Services	350	1557	89	16
2018	CRT PROGRAM	Nil	1630	1630	997
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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
3	3	10

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
INFOSYS, WIPRO, CTS	1071	836	Nil	Nil	Nil
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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	higher education				
2018	17	B.TECH	MECHANICAL	CITD, IIMB, IITB	M.TECH,MBA
2018	3	B.TECH	BIO TECHNOLOGY	JNTUH PUNE INSTITUTE	MS
2018	19	B.TECH	COMPUTER SCIENCE AND ENGINEERING	NOTHUMBA UNIVERSITY	MS, MTECH
2018	23	B.TECH	INFORMATION TECHNOLOGY	UNIVERSITY OF DAYTON	MS, MTECH
2018	7	B.TECH	ELECTRICAL AND ELECTRONNICS ENGINEERING	UNIVERSITY OF MARYLAND	MS
2018	31	B.TECH	ELECTRONICS AND COMMUNIV ATION ENGINEERING	UNIVERSITY OF MARYLAND	MS, MTECH
View File					

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	39
GRE	57
Civil Services	1
CAT	3
Any Other	4
TOFEL	29
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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
SREEVISION	institution	1145
View File		

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	Certific ate of Merit	National	1	Null	16311A12H1	YVL Narasimha Rao
2018	Certific ate of	National	1	Null	15311A0438	Ch. Soniya

	Merit					
2018	Certificate of Merit	National	1	Nil	15311A05T4	M. Tarun Kumar
2018	Certificate of Merit	National	1	Nil	17311A04W0	D. Mohindar Sai Amarnath
2018	1st Prize	National	1	Nil	16311A05H5	HARSHA VARDHAN
2018	1st Prize	National	1	Nil	17311A0101	SUMANTH REDDYSUMANTH REDDY
2018	1st Prize	National	1	Nil	16311A12B1	NARASIMHA
2018	1st Prize	National	1	Nil	16311A04BH	SATYA BHARDWAJ
2018	1st Prize	National	1	Nil	16311A04BX	JOSHA ERMEST
2018	1st Prize	National	1	Nil	17311A03J6	K SRUTHI
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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)

Student Council/ Bodies are very strong at SNIST and every department has an active student association consisting of student members. The student members of the association are elected through a well defined selection process by the seniors and few teachers. The constitution of the student association comprises Chairmen, Vice Chairmen, Secretary, Joint Secretary, Treasurer and student council members. These associations are monitored by senior faculty members for the smooth conduct of the meetings and events. The student association plays a dominant role in many activities related to fine arts, sports and other co curricular activities of the department and the students. Various co curricular activities organized by the association include Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the students. Eminent speakers from industry and higher level institutions share their knowledge on topics relevant to current educational scenario. Student members of the associations also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Teachers Day, Freshers Day, Farewell Party, World Literacy Day, World AIDS Day, World Cancer Day etc. They also organizes cultural festivals like Intercollegiate Meet, College Day, etc.. Student members are in the following associations: 1. SAE Club - Mechanical Engineering Dept. - 2. Electronix Club 3. CSAC : The Civil Services Aspirants Club (CSAC-SNIST) 4. Arts club 5. Robotic Club 6. TechVision 7. Sreenidhi Photography Club (SPC) 8. Bachpan Bachao. 9. IEEE 10. ISTE Club 11. NCC 12. NSS 13. Sports Club 14. INNOVATION AND CREATIVITY CLUB (ICC) 15. Technical Associations 16. Quiz club 17. Innovation Club 18. Vox Populi debating club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The main objective is to enroll all alumni as members of the association and facilitating active participation of the alumni in appropriate activities, events, and initiatives of the Institute. The SNIST Alumni Association is an official unit of the Institute with the primary objective of facilitating the pleasant and friendly interface to all the SNIST alumni and creating a single semantic web of SNIST fraternity. The SNIST is truly proud of its brilliant alumni who are currently placed all over the world and distinguished themselves in Engineering and Technology sectors and the public sectors. The main aim of the SNIST Alumni Association is to coordinate the networking of all the alumni and to create a single global SNIST community for the benefit of institute as well as student community. Mentorship: Alumni can play an active role in voluntary programs like mentoring students through their rich experiences in their areas of expertise for the benefit of the students and college. Help the student to understand the current scenarios in the industry, so that they can prepare themselves for securing suitable jobs. Some of the Alumni are also helping by providing internships in their organizations. Placements: The alumni network of a college is one of the biggest sources of placement opportunities. So, the alumni can help students get placed at their respective organizations. Networking Platform: Alumni network by itself is one of the best professional networking platforms available today. College Alumni Day: Alumni meet takes place in the campus on every year Second Saturday in the month of February/March to provide a forum for the Alumni to interact with the Institute to bring together all the old students and the faculty of SNIST to share their experiences with each other. Online Alumni Survey: This is collected to get information about their study and stay in the Institution. Feedback is collected from the alumni to update the curriculum which are suitable for present needs of industry and technology for the development of the college. Some of the reputed Alumni are also members of BOS. Database: This is to maintain and update the database of all the alumni and to interact with

5.4.2 – No. of registered Alumni:

1962

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

196200

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni meet for the year 2019 was held at Sreenidhi Institute of Science Technology ,Yamnampet, Ghatkesar, Hyderabad. The meet was organized on 28th Dec 2019. Prof. T. Devi Prasad, Head Placements, IIIT, Hyderabad was the chief guest and Guest of honor of the program Sri Yashwant, IAS. The aim of the meet was to reunite the students working in various places and to recollect, rejoice the college memories and helped to share their work experience. Around 305 student have been participated to facilitate the program.

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)

All the departments of the college function under the direct supervision of principal. Decentralization has been done for department HoDs and examination branch. Day-to-day academic activities of the departments are taken care of by the HoDs and examination related activities are handled by Controller of examinations. Under direct supervision of Principal, Administrative office,

examination section, central library and all the UG and PG departments will be functioning. Time to time principal conducts meetings with the concerned in-charges/HoDs and at department/unit level, heads/concerned in-charges will conduct the meeting with the concerned members to discuss various issues and resolutions made will be passed on to principal for further action. Similarly, the outcomes of Principal meeting will be passed on to individual faculty/staff for implementation. The following committees are in existence to decentralize the academic and administrative activities. • IQAC • Finance Committee • Disciplinary and Anti-Ragging Committee • Grievance and Redressal Committee • Internal complaint committee • Examination Committee • Purchasing Committee • R D Committee • Innovation, Incubation and Entrepreneurship Committee • Skill development committee • Training and placement committee • Library Committee • NSS committee • NCC Committee • Sports Committee • SC/ST Committee Grievance and Redressal Committee

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	<p>We at SNIST, being autonomous, the vibrant activity of curriculum design displays a strong dimension, for providing quality engineering education which is need-based and has social relevance. The institution reaps maximum benefit from the freedom it has in designing curriculum based on the needs of the industry and skills in demand analysis that bridges the gap between industry and academia and thus enhancing employability. It encourages its educational administrators to create syllabi and teaching modules which are directly related to the future prospects of the learner groups. The college reviews the entire syllabus in all streams of courses at least once in every two years based on the skills in demand and interaction with industry, academia, alumni and present students. The departmental inputs are consolidated in the shape of proposal of revised syllabus of the department for respective courses to be started. These proposals are scrutinized by an internal committee and then submitted to Boards of Studies of the college and syllabus is approved by the Academic Council of the college. The Boards of Studies and Academic Council of the college are constituted as per the UGC guidelines with representatives from industry, academic institutions, a nominee of Govt. of A.P., a nominee of the parent University.</p>

Teaching and Learning

The faculty uses all the teaching learning methods like lecture, interactive method, project based learning, computer-assisted learning, experiential learning, seminars, comprehensive viva, tutorials and assignments, group discussions, invited lectures, visit to industry, special training courses for students, technical associates , technical clubs, cultural and literary clubs for students etc.,. These are explained in brief as below: 1.Lecture Method: Most of the theoretical subjects are taught through lecture mode by the faculty members using power point presentations. 2.Interactive Method: During the tutorial classes, interaction with the students is encouraged in order to discuss various concepts and problems in tutorial classes. 3.Project based learning: The faculty members in the respective departments have extensive interaction with the students during their project works for both mini projects and main projects, which is part of the curriculum. The group projects, lab projects in every lab project which are integrated in the curriculum, industry oriented mini project are also evaluated. 4.Computer-assisted learning: The students have to use Internet and technical journals for searching technical literature/ material connected with their projects which forms the part of their degree requirement. The project deals with design, development, experimental results, and conclusions along with technical writing. The video lessons available from SONET and NPTEL are viewed in the library.

Examination and Evaluation

SNIST introduced Digital Evaluation System (DES) in the year 2010-11 for under graduate programme and later also for PG programmes, which was proved to be highly successful • This process of DES helped us in announcing results not only in time but also with minute errors since the human intervention is reduced. Due to DES, the time and the effort made is very less to give photocopy and the student waiting time is reduced drastically. • Storing of answer books space in the examination section doesn't require huge space and all the answer scripts are stored in

digital form. • This will help in NBA analysis for outcome attainment as per outcome based education.

Research and Development

Research and Development Cell is available to support the faculty and students to participate in R D. The teaching faculty is keen to get engaged in research activities. ? special leave is sanctioned to the teaching faculty for completion of doctoral/ post-doctoral research. ? Well-equipped labs are made available for the research activities. ? Faculty and students are encouraged to publish their research work in SCOPUS/SCI/WoS/UGC approved research journals. ? Faculty and students are motivated to actively participate and present their research findings in seminars and conferences at different levels ? Faculty members are provided with the information of different research schemes so that they can apply for major and minor research projects to different funding agencies. ? Faculty members and students carry out their research work in collaboration with National/ International laboratories and other institutions

Library, ICT and Physical Infrastructure / Instrumentation

Fully automated central library. ? Access to e_Journals and e_books through membership of N-List (National Library and Information Services Infrastructure of scholarly content) under INFLIBNET (Information and Library Network Centre) and DELNET (Developing Library Network.) ? An open access service is provided to readers for quick referencing. ? Book bank facility is made available. ? Books available in the library are bar coded and RFID tagged. ? News Paper clippings are maintained. ? University and college question paper sets are available.

Human Resource Management

Human resource is efficiently used for the institutional development and extension activities. ? Under the able guidance of principal, faculty ensures smooth functioning of the institution. ? The college conducts special guidance and personality development programme organizes expert lectures for overall development of students. ? College provides computer training to the first year students of the degree courses. ? Special lectures on competitive

	examination are arranged. ? Campus interviews are arranged to strengthen the placement activity. ? Restructured, add-on and career oriented courses are conducted to acquire additional knowledge and skills in different fields.
Industry Interaction / Collaboration	All the departments organizes industrial visits regularly.
Admission of Students	Admission procedure in the college is transparent and merit based. ? Online admission system is implemented for UG students. ? Information about admission is displayed through college website and on the notice board. ? Admission committee (U.G. and P. G.) of the college looks after the entire admission procedure. ? Rules and regulations laid by State government and affiliating university regarding reservation are strictly followed in admission process.

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

E-governance area	Details
Planning and Development	SAP INDIA PVT LTD, BANGALORE IMPLEMENTED THROUGH STRAVIS SOLUTIONS PVT. LTD, MADHAPUR, HYDERABAD, SAP VENDER NUMBER : 501060
Administration	HCM - HUMAN CAPITAL MANAGEMENT
Finance and Accounts	TALLY - TOLLY SOLUTIONS INDIA PVT. LTD, BANGALORE AND FICO
Student Admission and Support	SLCM - STUDENT LIFE CYCLE MANAGEMENT
Examination	SLCM - STUDENT LIFE CYCLE MANAGEMENT

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	Dr. K. Kranthi Kumar	IEEE International Conference on Communication and Electronics Systems	IEEE Explorer and Indexed with Scopus	6250
2018	Mr. M. Thirumavalavan	FDP on Advanced Optimization Technique	MNIT Jaipur	4500
2018	Mr. R S Ch	One week	Gujarat	1000

	Murthy chodisetty.	Faculty Development programme on Research Methodology using R and E View	University, Ahmedabad	
2018	Mr. E. Janardhan	International Conference on Nano Science and Engineering Applications At JNTUH	SPRINGER PROCEEDINGS AND JOURNAL after rev	3000
2018	Dr. K. Kranthi Kumar	IEEE International conference on Innovations in Engineering, Technology and Sciences (ICIETS-2018)	IEEE Explorer	8000
2018	P Lavanya	An Extensive Simulation Research on AODV in Mobile Ad hoc Environment	International Journal of Engineering Technology(UAE), ISSN:2227524X -Scopus indexed journal	8500
2018	SRIRAM NARAYAN Koushik Chitrapu, Dr. Shruthi Bhargava Choubey	7TH INTERNATIONAL CONFERENCE ON INNOVATIONS IN ELECTRONICS AND COMMUNICATION ENGINEERING	Nil	Nil
2018	Mr. S K Satyanarayana	FDP on Real Time Operating Systems	SPRINGER PROCEEDINGS AND JOURNAL	1000
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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)
2018	One day workshop on Mathematical Foundations for Crypto	Nil	12/10/2018	12/10/2018	22	Nil

	graphy and its Applications (MFCA -2018).					
2018	A Three Day Lab Training Programme on Linux Programming	Nil	03/12/2018	05/12/2018	41	Nil
2018	A Lab Training Programme on Operating Systems	Nil	10/12/2018	11/12/2018	23	Nil
2018	A Three Day Lab Training Programme on Compiler Design	Nil	13/12/2018	15/12/2018	32	Nil
2018	A Lab Training Programme on Database Management Systems	Nil	14/12/2018	15/12/2018	19	Nil
2018	A National Workshop on Big Data Analytics- A Real Time Approach (Apache /Cloudera/ Hortonworks)	Nil	17/12/2018	22/12/2018	34	Nil
2018	Intellectual Property Rights	Nil	13/05/2018	19/05/2018	12	Nil
2018	Workshop on Autodesk AutoCAD-2019	Nil	17/12/2018	17/12/2018	5	Nil
2018	Life Cycle Assessment	Nil	26/07/2018	26/07/2018	15	Nil

	and Application of Sustainability					
2018	Advances in Aerospace Materials	Nil	06/07/2018	06/07/2018	19	Nil
View File						

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
Learn to Innovate Workshop	3	17/12/2018	22/12/2018	6
Wadhvani Foundation	2	18/12/2018	22/12/2018	5
Robotics	2	21/12/2018	22/12/2018	2
Essentials of Entrepreneurship	1	20/12/2018	21/12/2018	2
Product Design Engineering using FUSION 360	4	18/12/2018	22/12/2018	5
Experiential Learning for Digital Industry	1	18/12/2018	18/12/2018	1
Workshop on Autodesk-AutoCAD 2019	19	17/12/2018	22/12/2018	6
1 Day orientation programme Establishing an Industry	2	15/12/2018	15/12/2018	1
Big Data Analytics-A Real Time Approach	9	17/12/2018	22/12/2018	6
Block Chain Technology	2	14/12/2018	15/12/2018	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching
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Permanent	Full Time	Permanent	Full Time
395	395	242	242

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
7	7	1

6.4 – Financial Management and Resource Mobilization

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

The institution has internal and external financial audit mechanism. This is carried out once in six months internally. The external audit is carried out once in a year by an independent audit firm. Drafted committees like Governing Body (GB), Administrative Committee (AC) and Finance Committee will take care of financial audit administration. Institute invites budget proposals from various departments, cells sections for the coming year. Based on the requirement and priority, finance committee finalizes the budget allocation and get it approved by AC and GB of the institute. Every year financial audit will be done through institute auditor. Audit reports are made available in institute website. Composition of Finance Committee Member Category Nature Chairman Principal of College Principal, SNIST Member Governing Body Nominee Auditor (CA) Member Management representative Member Member University nominee Finance Officer, JNTUH The budget allocation is proposed by the individual teachers in the department who are in-charge for various activities in the department and then the same is projected by the college academic committee, which is then submitted to the principal / the director and to the Secretary / Correspondent. The finance committee considers the proposal and approves the same. The Board of Governors considers the proposals and sends them back after approvals to the principal's office who in turn sends them to the departments for the necessary action.

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
NIL	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

0

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	JNTUH	Yes	IQAC
Administrative	Yes	JNTUH	Yes	IQAC

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

A strong Parent Teacher Association is existing in Sreenidhi Institute of Science and Technology. It helps and cooperates with the Institution in the welfare of students and provide support for improvement in the academic activities and infrastructural facilities. Objectives of the Association are 1)

To work for the welfare of the students , Teachers and for the development of the Institution. 2) To create and promote healthy relationship among the members of teaching staff, students and parents 3) To promote the activities of the Training and Placement Cell and to conduct seminars and training programs for the students through the contacts of parents

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

1) A Three Day Lab Training Programme on Linux Programming, by CSE 2) A Two Day Lab Training Programme on Operating Systems by CSE 3) A Three Day Lab Training Programme on Compiler Design by CSE

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

1) More Number of Ph.D holders have been recruited. 2) Research and Development Advanced Research labs have been initiated. Increasing number of proposals have been submitted to various funding agencies.3)The number of publications in peer reviewed journals with good Impact Factor is increased.

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
2018	Internal Quality Assurance Cell (IQAC) meeting	14/07/2018	14/07/2018	14/07/2018	20
2018	Internal Quality Assurance Cell (IQAC) meeting	20/10/2018	20/10/2018	20/10/2018	20
2018	Internal Quality Assurance Cell (IQAC) meeting	17/12/2018	17/12/2018	17/12/2018	19
2019	Internal Quality Assurance Cell (IQAC) meeting	16/02/2019	16/02/2019	16/02/2019	18
2018	Prepared the Annual Quality Assurance Report (AQAR)	15/09/2018	15/09/2018	15/09/2018	20

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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
Digital awareness program for girls in Yamnampet village, by the student unit of NSS, SNIST.	22/01/2019	23/01/2019	45	Nil
An awareness program by "SHE TEAMS" for the safety of girl students.	09/09/2018	09/09/2018	75	Nil
FDP on "Gender Sensitization, Morals and Ethics"	22/11/2018	23/11/2018	60	20
Breast Cancer Awareness program by Dr. Sushila Narayan - Omega Hospital, Hyd.	14/10/2018	14/10/2018	80	Nil
Self Defense Workshop for girls, organized by the student wing of NCC.	04/02/2019	09/02/2019	110	Nil
Awareness program on "Women's rights" by NSS IN collaboration with legal literacy club.	08/03/2019	08/03/2019	113	Nil
BADI BATA program by the student group, Bachpan Prayas, in Ramadugu Mandal, Karimnagar dist. (to	23/06/2019	23/06/2019	Nil	Nil

encourage enrolment of girl child in the govt. schools.

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

71.43

7.1.3 – Differently abled (Divyangjan) friendliness

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

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
2019	1	1	02/12/2019	1	Women Safety Awareness Programme	Awareness and Training on Women Safety	380
2019	1	1	25/10/2019	1	Awareness Camp on Eco Friendly Diwali	Cracker free Diwali: To reduce sound and air pollution	170
2019	1	1	21/09/2019	1	Legal Literacy Programme	Awareness created on Human/ Legal Rights	240

2019	1	1	10/08/2019	3	Preventive measures for Dengue	Imparting Knowledge on preventive measures for Dengue	120
2019	1	1	26/08/2019	1	Free Medical Camp	Screened 120 patients (BP.RBS, blood grouping)	75
2019	1	1	22/09/2019	1	Distribution of masks in the village and Govt. school to avoid swine flu	Distributed masks in the village and created an awareness on swine flu.	90

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Human values and Professional Ethics in Higher Education and Improving learning capabilities.	15/07/2019	Human Values and Professional Ethics, provides a logical understanding for effective and efficient operations in professional work, family and social environment. Values are used to evolve model code of conduct as guidance for desirable transactional behavior of individual engineers and professionals. The students are exposed to understand their own self, identity, personality, development of family value system, meaning of happiness and success. Value education is also required to prepare students, mentally and emotionally for global work culture, where people of different

cultures and faiths work together. Understanding human values helps to synthesize the scientific progress of individuals in all walks of life.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
One week FDP on Human values and Professional Ethics in Higher Education and Improving learning capabilities.	15/07/2018	20/07/2018	35
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The institution has followed the following eco-friendly initiatives: • Solid waste management • Transport arrangements for solid waste as well as composting arrangements to convert into fertiliser are made available. • Liquid waste management • Rain water harvest and wastage of drinking water is restricted through proper monitoring. • Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. • Proper drainage system is arranged for all the buildings of the campus • E-waste management - The condemned batteries and damaged computers are disposed through outside agencies. The low configured computers are donated to nearest schools Other E-waste materials are properly disposed.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. R D and Innovation a. Research and Development Efforts SNIST believes that Strong Academics, Industry relevant training, emerging technology knowledge through RD and Professional mindset with human approach are the essential attributes that determine the success of technical education. SNIST Research efforts are towards productive collaboration with leading Research Institutes, both nationally and globally, to invent and provide solutions to Technological and societal problems. A separate Department is established for Research and consultancy in the Institute with a full time Dean. The institute has 8 UG and 8 PG programs with dedicated faculty and students, involved extensively in research activities. SNIST is recognized by DSIR, Govt. of India as Scientific and Industrial Research Organization (SIRO). The Research activities undertaken and contributions made by faculty in each department. Faculty members with Ph.D and Pursuing Ph.D are coming forward to conduct academic research as part of their responsibility in teaching theory as well as practical subjects. The college is of the view that teaching and research must go together so that the students at the UG and PG level are exposed to different areas of Research and encourages them to conduct research activity. The earlier emphasis of only effective teaching is now changed into teaching research. The teachers and students work together to assimilate and generate new knowledge for the benefit of the Institution as a whole. Many faculty members are recognized guides by JNTU for guiding Ph.D and many other Universities. Sponsored Research and Industrial consultancy are the two important modes through which faculty are supporting their research and responding to the needs of the industry. SNIST management has appreciated the need for conduct of research along with

effective teaching and has been encouraging in various ways so that a good environment is created for the students to be associated in this regard. • The Institution provides funding for establishing and augmenting the state-of-the-art Infrastructure and Labs. • The faculty members are encouraged to publish their research work in reputed and referred journals and present in International and national conferences, incentives are given in the form of Research awards and also extending financial support for the presentation of papers. • The SNIST Management appreciates the need for giving Seed money to all the faculty members who ever comes forward to develop necessary infrastructure and software and sanctions an amount upto Rs 2.0 Lakhs per project. The result of this initiative is in fact helping the faculty members to submit applications to various funding agencies for sanction of funded research projects. • The institute has been making strategic alliances with reputed organizations and institutions to strengthen R D and Innovation efforts. For R D the Institute is collaborating and providing consultancy services to (i) DRDO - RCI, (ii) DRDO - CAS, (iii) DRDO - DRDL, (iv) HAL, (v) Neucleonix Systems, (vi) PJTS Agricultural University, Hyderabad (vii) Central University, Hyderabad etc. For inculcating the culture of innovation and entrepreneurship the institute is tied up with (i) Wadhvani Foundation USA, (ii) ISB, (iii) The Indus Entrepreneurs, (iv) T-Hub, (v) Institute Innovation Council under MHRD, (vi) CITD, (vii) Jawaharlal Nehru Technological University Hub (J-Hub). SNIST is an approved Host Institute (HI) to Support Business Incubators and Managerial Development under the scheme of Development Commissioner - MSME, New Delhi. Under this scheme accepted SNIST Student Innovative ideas are proposed to receive a grant of 15L and 1 Cr. for infrastructure development by the HI. • Under TEQIP - III, Jawaharlal Nehru Technological University Hyderabad, the nodal institution for TEQIP funding has chosen eleven (11) R D projects submitted by our faculty are approved with a total research grant of about Rs 33 Lakhs. Our institution, affiliated to JNTUH, Hyderabad has received highest amount of research grants under the umbrella of JNTUH, Hyderabad. They appreciated the merit of proposals in this regard. • Large number of Research papers are published by the faculty and students and all the papers which are published in refereed journals in India and abroad are given Research awards on yearly basis. • Faculty pursuing Ph.Ds are sanctioned special leaves to accelerate the research and further motivated by offering fee reimbursements as per the guidelines set by the research panel. • Faculty and students are encouraged to file patents if the proposed idea has commercial viability. All the expenditures that are involved for submitting the application to the Indian Patent Office in a prescribed proforma and also for publication of the patent by the Patents Office. 37 patent applications were submitted and out of them 6 patents are registered, 13 patents are published and the balance of 18 patent applications are waiting for further action on the matter. Complete expenditure is borne by the college for patenting as stated above. • To promote student participation in emerging technology areas the institute is conducting technical hackathons twice an academic year with problems statements from nearby MSMEs and reputed IT organizations. • Faculty of SNIST also works with reputed industries to forge alliance to offer consultancy and advance training programs in the emerging fields. In the recent past, Defense Research and Development Laboratory (DRDL), a part of Defense Research and Development Organization for conducting training programs to their scientific officers. Number of Grants in Aid projects are sanctioned by DRDO, DST, UGC, DBT etc. Many projects are successfully completed and many are ongoing. b. Innovation Activities In the year 2006, Prof. Naga Sreenivasa, Professor of Training and Placement has conceived an idea that the spirit of innovation has to be incubated in the minds of the students and the college has conducted the very first innovative idea and solutions competition. From then onwards, the college has been encouraging the students to come out with innovative solutions for the problems that are faced by the students and the

society at large. In the very first competition, first prize was given to our college student who proposed a Nappy alarm. The student has built an electrical circuit which gets closed whenever the child urinates and alarm is given which will make the mother or others to wake up and change the nappy. Unfortunately, this innovation was not patented and fifteen years later somebody from the country of Japan has taken the patent for this innovation. Our college is very happy to state that the innovation of the students and giving a shape to the same has resulted in a product known as Cyclowash. The principle used in this innovation is that a person can have cycling exercise and at the same time cycling is resulting in driving a shaft which rotates and does the washing of clothes. This received a number of awards and it is also chosen by World Bank to be one of the best innovations submitted by about 100 engineering colleges which were financed by World Bank for Technical Education Quality Improvement Program. In fact, entire money that was required by the students for giving the shape to this idea and for also other innovations was paid by the college from R D funding. There are five more innovations which received wide publicity and appreciation which are detailed hereunder :

1. Development of a drone for identify the pests in agriculture fields and to spray the pesticides/ insecticide on the crop. This innovation has received a number of awards, Nationally and Internationally.
2. The second one is the development of a three wheeler driven by using solar power of different capacities to ride on different terrains. The students of Sreenidhi always win awards, wherever they have gone for demonstration of this innovation including all India competition SAE BAJA. About Rs 3.0 Lakhs are won by students as prize money in the last couple of years.
3. Optimus : Smart Pill companion This is an innovative health care product designed , developed and demonstrated by the students of Sreenidhi. The product caters to senior citizens and patients with Alzheimers to send reminders the patients to take their medical prescriptions. The product houses prescriptions for multiple patients, wherein individually they can be recognized through finger print scanner. This product has won multiple international awards along with best innovation award from The Indus Entrepreneurs (TIE) with a cash prize of Rs 1.0 Lakh.
4. Aquart : Smart Water Conservation and Management System This product is designed for monitoring the water consumption on real time basis through an simple add on gadget to the existing piping system which is interfaced to the mobile phone application for controlling and monitoring. The product has won multiple awards at various international competitions and were highly appreciated at National Rural Development Institute, Agricultural University Competition, AICTE prototype competition at International Innovation fair.
5. SPHAST : Smart Driver Assisting System This innovative product has been patented to assists differently abled drivers to detect other vehicles in the adjacent lanes by adding a audio - visual indicator on the steering wheel. This product has been integrated in the Autonomous Vehicle project of the institute.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.sreenidhi.edu.in/pagecontents.php?catid=11&scatid=315&prodid=352>

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

INSTITUTIONAL DISTINCTIVENESS Igniting the spirit of Innovation and Entrepreneurship Vision , Priority and Thrust of the Institution Our college is driven by the Vision of focussing on producing professionally competent and socially sensitive engineers. The institute encourages the students and faculty to be creative thinkers and produce innovative products. Three Special Projects that students are associated with: a. Artificial Heart Project in association

with Dr.P.S Reddy, Professor of Cardiology, University of Pittsburg, USA and three engg colleges namely , CBIT, Hyd, BITS Pilani, Hyd b. Sreenidhi Satellite Project c. Autonomous Car Project i. Initiatives to ignite spirit of Innovation ii. Establishment of Sreenidhi Hub and facilities provided iii.SNIST - MHRD Institute Innovation Council SNIST has an active Institute Innovation Council under the Ministry of MHRD's Innovation Cell Prototype Competition and Smart India Hackathons SNIST as J- Lab under J-HUB, JNTUH Strategic Alliances Forged for promoting Innovation To forge strategic alliance the institute is tied up with: 1.The Indus Entrepreneurs (TIE), 2.Telangana-Hub, 3.Institute Innovation Council under MHRD, 4.JNTUH, Hub (J-Hub). Achievements and Accolades J-HUB Hackathon Total awards received - 06 International Innovation Awards International Innovation Fair 2017, Vizag - Five Silver Medal Award International Invention and Innovation (INTARG) Poland, June, 2019 - Two Gold, Two Silver, One Bronze Bangkok International Intellectual Property, Invention, Innovation Technology Exposition organized by National Research Council of Thailand - 2 Silver and 2 Gold medals Indonesian Invention and Innovation Promotion, February, 2019 International Innovation Fair, Hyderabad, India 2019 - One Gold, Three Silver, Two Bronze. National Innovation Awards The Indus Entrepreneurs (TiE), Hyderabad - Award of Rs. 1.0 Lakh for Best Innovation Idea. Rural Innovators Start Up Conclave 2019 organized by NIRD Panchayat Raj, Ministry of Rural Development Government of India. Team Aquart, won first prize for their product Smart Tap Indicator. Team Pixhawk, won Best Innovator Award for the Idea of Precision agriculture using Drone MSME Student Grant 2019 Mumbai 28-29th Oct 2019, CMO, Mumbai - Special Innovation Achievement award AICTE Chhatra Vishwakarma awards 2019 - 2 out of 5 teams were selected in the regional round for the phase - II presentation. AICTE Proof of Concept Competition 2019 - two prototypes from SNIST were selected at national level. Efforts made for promotion of Entrepreneurship: Telangana Academy of Skills and Knowledge (TASK) in alliance with Indian School of Business (ISB) Wadhvani Foundation Strategic Alliances Forged for promoting Entrepreneurship Strategic Alliances were forged with: 1.Wadhvani Foundation USA 2.ISB 3.The Indus Entrepreneurs (TIE) 4.CITD Development of Drone The proto type of Drone demonstrated, detecting the pests in a crop. Its valued about Rs. 5.0 Lakhs and some agriculturists with big land holdings are prepared to buy Sieger Technologies, a startup company, by a SNIST alumni, with a turnover of 5 crores, is a manufacture of Lithium Ion Batteries for electric vehicles. TCT Holidays and Technologies Private Limited is a startup company, with 16 employees, situated at Mahesh nagar, Hyderabad, belonging to Mr. Nagaraju Kandukuri, a SNIST Alumni. Mr. Nagaraju Kandukuri also started another software development

Provide the weblink of the institution

<https://www.sreenidhi.edu.in/pagecontents.php?catid=2&scatid=515>

8.Future Plans of Actions for Next Academic Year

1. To enhance RD projects and publications 2. To strengthen the Industry Institute Interaction 3. To organize National and International Conference on the Disruptive Technologies every year. 4. To strengthen the Alumni Association and its activities. 5. To introduce more Value added courses, Workshops and Training Programmes related to Disruptive Technologies 6. Encouraging faculty to apply for financial assistance from various funding agencies for executing research projects and also for conducting workshops, seminars, conferences . 7. To conduct Academic and Administrative audit every year.