



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY
Name of the head of the Institution		Dr. M Janardhana Raju
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08577264999
Mobile no.		8297114999
Registered Email		principal.4e@jntua.ac.in
Alternate Email		sistk_puttur@gmail.com
Address		Siddartha Institute of Science and Technology, Narayanavanam Road, Puttur, A.P, PIN - 517583
City/Town		Puttur
State/UT		Andhra Pradesh

Pincode	517583																		
2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	28-May-2018																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	M.Vijaya lakshmi																		
Phone no/Alternate Phone no.	08577264999																		
Mobile no.	7702956668																		
Registered Email	principal.4e@jntua.ac.in																		
Alternate Email	sistk_puttur@yahoo.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://sistk.org/sistk_iqac.php																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://sistk.org/exam_cell_calenders.php																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.03</td> <td>2016</td> <td>29-Mar-2016</td> <td>31-Dec-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.03	2016	29-Mar-2016	31-Dec-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.03	2016	29-Mar-2016	31-Dec-2023														
6. Date of Establishment of IQAC	13-Jul-2015																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries																

IQAC		
Campus connect program by TV5 and government of AP	02-Jan-2019 1	531
Faculty development program on Outcome based Education	12-Feb-2019 1	145
APSSDC Training Program for the students	16-Aug-2019 6	111
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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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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)

- Introducing Choice based credit system in the curriculum structure
- Reforms in Evaluation system
- Placement training and collaboration with QSPIDER
- Enrichment of programming skill among the students
- Faculty mentoring program by IIT, Tirupati

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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
Formation of various cells	Various cell are formed and initiated functioning
Revision of regulation and curriculum as per Industry need	Revised and implemented R19 Regulations
Adopting outcome based education approach in teaching learning process	Implemented outcome based education
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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	16-Aug-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	17-Jan-2020
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	08-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The institution deployed Siddharth Automation software to send the information of student's absence, marks obtained etc. to their parents through Short Message Service (SMS). Similarly, staff details, Staff Attendance etc. also maintained.
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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	01	Civil Engineering	14/08/2019
BTech	02	Electrical and	14/08/2019

		Electronics Engineering	
BTech	03	Mechanical Engineering	14/08/2019
BTech	04	Electronics and Communication Engineering	14/08/2019
BTech	05	Computer Science and Engineering	14/08/2019
Mtech	43	Power Electronics	14/08/2019
Mtech	38	Digital Electronics and Communication Systems	14/08/2019
Mtech	58	Computer Science and Engineering	14/08/2019
Mtech	25	Software Engineering	14/08/2019

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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	Civil Engineering	14/08/2019	Engineering Mechanics - 19CE0101	14/08/2019
BTech	Civil Engineering	14/08/2019	Strength of Materials - 19CE0102	14/08/2019
BTech	Electrical and Electronics Engineering	14/08/2019	Electrical circuits - 19EE0201	14/08/2019
BTech	Electrical and Electronics Engineering	14/08/2019	Basic Electrical & Electronics Engineering - 19EE0240	14/08/2019
BTech	Mechanical Engineering	14/08/2019	Materials Engineering - 19ME0303	14/08/2019
BTech	Mechanical Engineering	14/08/2019	Engineering Graphics - 19ME0302	14/08/2019
BTech	Electronics and Communication Engineering	14/08/2019	Switching Theory and Logic Design - 19EC0401	14/08/2019
BTech	Computer Science and Engineering	14/08/2019	Python Programming - 19CS0501	14/08/2019

BTech	Computer Science and Engineering	14/08/2019	Formal Methods of Software Engineering - 19CS5105	14/08/2019
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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
No Data Entered/Not Applicable !!!		
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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	Civil Engineering	14/08/2019
BTech	Electrical and Electronics Engineering	14/08/2019
BTech	Mechanical Engineering	14/08/2019
BTech	Electronics and Communication Engineering	14/08/2019
BTech	Computer Science and Engineering	14/08/2019

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
TCS NQT Specific Training Phase-1	04/07/2019	124
TCS NQT Specific Training Phase-2	28/07/2019	124
CRT training Phase-1	29/07/2019	205
CRT training Phase-2	09/10/2019	205
Infosys Company specific training	16/12/2019	45
Python training Phase-1	02/01/2020	243
Python training Phase-2	27/01/2020	243
Hexaware Company specific training	08/02/2020	180
CTS Company specific training	17/09/2019	124
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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
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BTech	Electrical and Electronics Engineering	9
BTech	Mechanical Engineering	20
BTech	Electronics and Communication Engineering	123
BTech	Computer Science and Engineering	47
BTech	Civil Engineering	15
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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>Feedback Collection Process:</p> <ul style="list-style-type: none"> • The institution has set up a student feedback collection system in all courses twice a semester. Generally after one month at the beginning and end of each semester. • The feedback was collected through an online system by a defined structured questionnaire regarding the key elements such as subject knowledge, communication skills, Sincerity Commitments, syllabus completion and interaction with students. • Students are also invited to provide feedback on campus infrastructure, departmental resources, laboratories, libraries, Computing facilities, internet and sports facilities. <p>Feedback Analysis:</p> <ul style="list-style-type: none"> • Once the feedback has been gathered, it will be subjected to a review of the faculty's performance using conventional statistical tool applications. • The IQAC analyses the collected input and submits a detailed report to the principal. <p>Receipts/Corrective Actions:</p> <ul style="list-style-type: none"> • The faculty is summoned to a meeting with the HOD and Principal to discuss feedback in order to improve their performance. • Appreciation is given to the best-performing faculty members. • Members of the faculty with low performance are counselled by the HOD and Principal depending on their weak areas. • To improve their skills, faculty members are encouraged to attend various Workshops/Seminars/Conferences/Training Programs/FDPs/online courses etc. • Faculty development programmes are held on a regular basis at the Institution to help them improve their knowledge and teaching abilities. • Following an analysis of the input on different facilities in the college, Principal will discuss with the respective in-charges and suggest to improve the facility that received poor feedback. For implementation, all of the credible proposals are taken into account.

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
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BTech	Civil Engineering	120	3	3
BTech	Electrical and Electronics Engineering	60	2	2
BTech	Mechanical Engineering	120	10	10
BTech	Electronics and Communication Engineering	240	196	196
BTech	Computer Science and Engineering	60	58	58
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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
2019	1232	2	138	10	0

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
148	148	15	17	5	10

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The role of the faculty as a mentor is one of nurturing and providing support for a student in academic, professional as well as personal growth. In all departments of the Institution, mentoring is a continuous process where faculty mentors serve as a resource who will respond and support their needs and interest. Mentor encourages students to actively participate in curricular and extracurricular activities both inter and intra level competitions and counsel the students on any other academic, professional, personal growth etc., for necessary advice, guidance and help. Based on academic record, students with good performance are encouraged to achieve next higher level of performance for taking up competitive exam GATE, IES, UPSC etc. and slow learners are motivated and guided to improve the performance. The mentors counsel the students for their low attendance, low performance in examination. Students are encouraged to develop their oral and written communication skills. Students are supported to take up online certification courses offered by MOOC/NPTEL/SWAYAM to strengthen the qualification for their academic progression. Students are also encouraged to take up professional certification for example in like Microsoft, Java, etc. This helps the students to improve their profiles for future. Counseling book is maintained with the record of student's academic, attendance and other details. Counselor is in continuous contact with student parents to share the performance of the students. It is essential to bring the parents in this process to find how his/her ward is progressing and the

guidance of parents is required to the student. The mentor identifies the strength and weakness of student which is very much required to counsel the student. This is one of the most effective systems functioning in the institution and it bridges the gap between the students and teaching community.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1232	148	1:8

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
148	117	31	31	15

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
No Data Entered/Not Applicable !!!			
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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	03-Mechanical Engineering	I/I	10/01/2020	04/02/2020
BTech	02-Electrical and Electronics Engineering	I/I	10/01/2020	04/02/2020
BTech	01-Civil Engineering	I/I	10/01/2020	04/02/2020
BTech	05 - Computer Science and Engineering	I/I	10/01/2020	04/02/2020
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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
12	1219	0.98

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://sistk.org/ece_dept.php

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
01	BTech	Civil Engineering	15	12	80
02	BTech	Electrical and Electronics Engineering	9	8	88.89
03	BTech	Mechanical Engineering	20	19	95
04	BTech	Electronics and Communication Engineering	123	108	87.80
05	BTech	Computer Science and Engineering	47	43	91.49

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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://www.sistk.org/sistk_igac.php

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
S. Ramesh
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
No Data Entered/Not Applicable !!!				
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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
Minor Projects	30	Jaya Educational Society	1.2	1.2
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

No Data Entered/Not Applicable !!!				
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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights-Discussion	Electronics and Communication Engineering	09/07/2019
Legal Aspects of Business and IPR	Mechanical Engineering	30/01/2020
Workshop on the Significance of Intellectual Property Rights for Entrepreneurs and Academia	Electrical and Electronic Engineering	10/02/2020
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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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!					
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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
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	9	2.02

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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
No Data Entered/Not Applicable !!!	
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
Mechanical Properties of AA 7075 /Al ₂ O ₃ /SiC Nano-metal Matrix Composites by Stir-Casting Method	Mr. S. SURESH	Journal of The Institution of Engineers (India): Series D	2020	1	Department of Mechanical Engineering, Siddhartha Institute of Science and Technology, Puttur, 517583, India	1
Investigations on Wire Electric Discharge Machining and Mechanical behavior of Al7075/ Nano-SiC Composites	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of The Institution of Engineers (India): Series D	2019	2	Department of Mechanical Engineering, Siddhartha Institute of Science and Technology, Puttur, 517583, India	2
Investigation of bio-waste natural fiber-reinforced polymer	Dr. D. SUDAKARA, Mr. S. SURESH	Mechanics of Soft materials	2019	7	Department of Mechanical Engineering, Siddhartha	7

hybrid composite: effect on mechanical and tribological characteristics of biodegradable composites					Institute of Science and Technology, Puttur, 517583, India	
Investigations on Machining and Wear Characteristics of Al 7075/Nano SiC Composites with WEDM	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2019	2	Department of Mechanical Engineering, Siddhartha Institute of Science and Technology, Puttur, 517583, India	2
Investigation of Mechanical and Tribological Properties of Red Mud-Reinforced Particulate Polymer Composite	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2020	6	Department of Mechanical Engineering, Siddhartha Institute of Science and Technology, Puttur, 517583, India	6
Experimental study on Abrasive Flow Machining (AFM): New approach for investigation on Nano-SiC in the improvement of material removal and surface finishing	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2020	6	Department of Mechanical Engineering, Siddhartha Institute of Science and Technology, Puttur, 517583, India	6

Investigation on Industrial Waste Eco-Friendly Natural Fiber? Reinforced Polymer Composites	S. Suresh,D. Sudhakara, B. Vinod	Journal of Bio- and Tribo-Corrosion	2020	6	Department of Mechanical Engineering, Siddartha Institute of Science and Technology, Puttur, 517583, India	12
Investigation of biodegradable hybrid composites : effect of fibers on tribo-mechanical characteristics	B. Vinod,S. Suresh,D. Sudhakara	Advanced Composites and Hybrid Materials	2020	4	Department of Mechanical Engineering, Siddartha Institute of Science and Technology, Puttur, 517583, India	5
Investigation on mechanical, wear, and machining characteristics of Al 7075/MW CNTs using the liquid state method	S. Suresh,D. Sudhakara, B. Vinod	Advanced Composites and Hybrid Materials	2020	4	Department of Mechanical Engineering, Siddartha Institute of Science and Technology, Puttur, 517583, India	6

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Investigation of bio-waste natural fiber-reinforced polymer	Dr. D. SUDAKARA, Mr. S. SURESH	Mechanics of Soft materials	2019	5	7	Department of Mechanical Engineering, Siddartha

hybrid composite: effect on mechanical and tribological characteristics of biodegradable composites						Institute of Science and Technology, Puttur, 517583, India
Investigation of Mechanical and Tribological Properties of Red Mud-Reinforced Particulate Polymer Composite	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2020	5	6	Department of Mechanical Engineering, Siddartha Institute of Science and Technology, Puttur, 517583, India
Experimental study on Abrasive Flow Machining (AFM): New approach for investigation on Nano-SiC in the improvement of material removal and surface finishing	Dr. D. SUDAKARA, Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2020	5	6	Department of Mechanical Engineering, Siddartha Institute of Science and Technology, Puttur, 517583, India
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	90	80	10
Presented papers	2	3	0	0
Resource persons	0	0	3	5

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
EEE	SOLAR POWER GENERATION	JAYA EDUCATIONAL SOCIETY	250000
CSE	EXAMS CONDUCTIONCSE	APPSC, AIIMS, AP STATE GOVT.	80000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
ECE	MATLAB PROGRAMMING	FOR FACULTY STUDENTS	30000	100
ME	MS DYNAMICS 365(FO)	FOR FACULTY STUDENTS	25000	100
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awareness Program On Road Safety	NSS Unit Puttur police officials.	50	375
Voter's Day	NSS Unit Narayanavanam mandal Tasildhar team.	25	250
Covid-19 Awareness program	NSS Unit Puttur, Art of living, Bangalore	80	400
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
BLOOD DONATION	RECOGNITION	Dr. NTR Trust	151
No file uploaded.			

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
SISTK, NSS	SISTK, NSS	World	6	52

Unit	Unit	Environment Day		
SISTK, NSS Unit	SISTK, NSS Unit	Tree plantation	60	106
NSS	Dr. NTR Trust	BLOOD DONATION PROGRAM	20	151
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Collaborative activities between SISTK IIT-Tirupati	Mr.T. Babu Sharanam	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Mr. K Babu	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Mr. N. Sreedhar	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Mr. N. Sreedhar	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Mrs.Roja	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Mrs. R Priyadarshini	SISTK	180
Collaborative activities between SISTK IIT-Tirupati	Ms. S. RESHMA	SISTK	180
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
on-the-job training	Placement Training	Q Spiders	08/12/2019	30/12/2019	160
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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
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			participated under MoUs
IIT Tirupathi	18/07/2019	Teaching Learning Process	10
APSSDC	21/08/2019	Python basics	120
ARCHETYPE Design Services Pvt Ltd, RR Thulasi Builders, Amara Raja, Sri City Solar Power Plant, NelCast, Sibar Autoparts, Lekha Wireless, Tech source Solutions Pvt Ltd., YDI Solutions Pvt.Ltd, Emproto Technologies Pvt Ltd,	30/07/2019	Advanced knowledge base	72
Q-Spiders	12/12/2019	Technical and Academic Programme	140
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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
20.53	20.53

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

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
DOLPHIN	Fully	1.1	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	24134	4261500	1612	1188446	25746
Reference Books	2345	938000	398	374610	2743	1312610
Journals	147	132060	60	54000	207	186060
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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 Ramesh	Thevenin's theorem	Institutional LMS	10/10/2019
M Chandrasekhar	Cycloids	Institutional LMS	01/11/2019
Dr M Janardhana Raju	Number Systems	Institutional LMS	11/09/2019
M Vijayalakshmi	Classification of signals	Institutional LMS	17/04/2020
Reuben Thomas raj	NMOS facrication	Institutional LMS	15/11/2019
P Mani Mohan	8086 Micro processor	Institutional LMS	03/08/2019
Dr P Chandrasekhar	k-map and combinational circuits	Institutional LMS	12/09/2019
R Priyadarshini	CFG to GNF	Institutional LMS	23/01/2020
G Ravi kumar	Exception handling through java	Institutional LMS	07/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	900	520	60	60	60	20	180	165	0
Added	20	20	0	0	0	0	0	0	0
Total	920	540	60	60	60	20	180	165	0

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

165 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Recording Facility	https://youtu.be/XgY31auudlY
Lecture Capturing System	https://youtu.be/XgY31auudlY

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
11.87	1187124	47.48	4748499

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)

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc. in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically. And care has been taken to keep the equipments, machine etc. in working condition. In case of breakdowns, standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping. A brief description is presented below on maintenance and utilization of some facilities. 1. Laboratories (All Labs Computer center): Each laboratory is led by a faculty member who serves as the lab in-charge, as well as a Lab Assistant. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary accessories in update according to the change in the syllabus. Dead stock verification (Physical Verification) is carried out to verify working/nonworking/missing equipments etc. 2. Library: Librarian with supporting staff has been appointed to maintain Central Library. They focus on the availability and utilization of instructional materials for both teaching and learning. At end of the academic year, stock verification will be done. Librarian will prepare the report for the utilization of books in the college. Procurement of books as per the requirement is initiated through Library committee. 3. Sport complex/ground/equipments: Physical Director of the institute looks after the sports facilities and the activities. The sports equipments are issued to the students as per the schedule of the events. Sports Director deals with defective ones and submits proposal for maintenance. Preventive measures for maintenance are taken in time. Sport director is responsible for keeping the record of utilization of sport Facilities, activities held, and awards for the students etc. 4. Class Rooms: Class rooms are allocated to all the departments with necessary ICT tools as per the time table. The class rooms are cleaned on daily basis monitored by the House Incharge. Head of the Institution, HODs and Class teachers also monitor the cleanliness and ensure that the cleanliness is maintained in the class rooms. 5. IT facilities: PCs, peripherals and essential software are available in every department at the Institute. The Lab Technicians and System Administrator maintain the IT facilities in the institute. In case of major issues of maintenance, vendors are hired for maintenance of IT facilities. 6. Electrical, Drinking water coolers, etc.: An electrician and a plumber are employed by the Institute for the maintenance of electrical problems and water supplies. Institute has also appointed housekeeping staff to maintain the gardens. 7. CCTV, Security etc: To maintain internet connectivity and CCTV security system, a team is appointed for network

and system administration. Security staff including lady guards under a security supervisor is employed to safe guard the whole premises.

<http://sistk.org/>

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	Institution Merit Scholarship	41	632500
Financial Support from Other Sources			
a) National	APGovt.(RTF MTF) National Scholarship	926	32410000
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 enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	08/07/2019	301	Training Placement Cell, SISTK
Language lab	08/07/2019	301	Training Placement Cell, , SISTK
Yoga	27/08/2019	396	The Art of Living International Centre, Bangalore

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career guidance program	214	214	15	173

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – 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
INNOEYE, HEXAWARE, VEE TECH, TEST YANTHRA, DND Technologies, AMARARAJA BATTERIES, HICORE PVT LTD, FORD, UNITECH TRANSFER, KN INFOSERVICE, EASTERN METEC PVT LTD	195	117	WIPRO, IBM, CTS, MINDTREE, TECHMAHINDRA, HCL, COVALENCE DIGITAL, TCS, WIPRO, CTS, CAI, TATA BUSINESS PVT LTD, CONSENTRIX, OMEGA MARITIME, SKY PGRAPH, HCL, STELLER TECHNOLOGIES, TECH MAHINDRA, HYUNDAI MOTOR, CAPGEMINI, NEXICOM	120	56

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	5	B.Tech	ECE	VIT, VEMU IT, SVEC	M.Tech/MS
2019	2	B.Tech	MECH	MIT	M.Tech/MS
2019	1	B.Tech	EEE	SITAMS, Chittoor	M.Tech/MS
2019	1	B.Tech	CE	SV university	M.Tech/MS
2020	5	B.Tech	CSE	VIT, SANK	M.Tech/MS

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
TOFEL	1
Any Other	14

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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
Tennikoit	Inter-Meet	10
Throw Ball	Inter-Meet	15
Group Dance	Inter-Meet	85
Solo Dance	Inter-Meet	11
Shot Put	Inter-Meet	5
Long Jump	Inter-Meet	5
100 mt. Running	Inter-Meet	5
Kabaddi	Inter-Meet	20
Volley Ball	Inter-Meet	30
Cricket	Inter-Meet	22
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	First Prize	National	1	Nil	194E1A0201	B. Naveen kumar
2019	First Prize	National	1	Nil	184E1A0219	M. Rohith
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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: The siddartha Institute of science and technology promotes contention of students on academic and administrative bodies. The student council members are monitor/organize/volunteer the different academic and non-academic activities organized by the institution. The different group of people work together for making the any event organized by the college at any levels such as district level/state level/ National/ international level events. The student council members plays vital in the decision making of event organized in the campus. Objectives • To initiate, implement, and complete projects and activities which will be of help to the college, the students, the faculty, the administration, and the Society. • To contribute to the educational experiences of students by providing them with a positive involvement in the organizing bodies, with widened areas of responsibilities and with more direct participation in organizing and implementing activities. • To promote an awareness of human relations, of power structures and how one effectively operates within them. These objectives are realistically approached through increasing avenues of cooperation among the administration, faculty and students. • To develop not only leadership abilities within the youth of today, but also leadership for the community, state and nation of tomorrow. In this process, it is also the objective to develop an awareness of good leadership qualities, hopefully, for a more informed, concerned and active citizenry of tomorrow. The Management gives active support to the student council and assists the Council in drawing up a constitution and in planning and organizing its activities. Key functions of Student Council: In planning and undertaking

activities during the course of the year, the student Council will take the following functions

1. Representing the views of the student body to the college management
2. Promoting good communications within the college
3. Supporting the educational development and progress of students
4. Assisting with induction and/or mentoring for new first year students
5. Contributing to the development of college policy
6. Assisting in college sporting and cultural activities
7. Assisting with or organising fund-raising events for charity
8. Bridging with Student Councils in other colleges

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Siddhartha Institute of Science and Technology, since its establishment in 2008, has attempted to deliver quality instruction with an emphasis on social pertinence and useful abilities. Siddhartha Institute of Science and Technology has produced many understudies over the decades to serve as torchbearers in society. The alumni of Siddhartha Institute of Science and Technology are now spread across the globe, bringing about benefits for society. They contribute the society in different fields such as software and hardware engineering sectors. Alumni become permanent brand ambassadors for the institution. Alumni support the foundation and play a significant role in its institutional and scholastic events. The Institution has organized nine alumni gatherings since 2011, known as HOME COMING or ALUMNI DAY on campus to allow them to exchange experiences amongst themselves. This annual gathering of understudies every year allows them every year to exchange their leadership experiences as well. As alumina, the members participate effectively as Members of the Board of Studies (BOS) and contribute to develop interesting educational programs to meet modern needs. Currently, 2560 graduated students have enlisted themselves in the affiliation in the website, "<http://alumni.siddharthgroup.ac.in/>"

Additionally, the alumni effectively support the placement of the students on position opportunities and in pre-placement of the students so they can build up the skills and knowledge to choose the right path and become skilled and employable. Also, they help understudies to know the significance of Internships in Industry and how to become an entrepreneur than looking for a temporary position. Alumni contributions can be in the following manner:

- Talk with alumni: The alumni share their experiences and challenges faced in their life to reach today's position. The present students are enthusiastic in alumni meet and the students are glad to learn from their passed-out graduates and this exchange of experience looks fruitful.
- Guest Lectures/Workshops: Technology changes constantly and the industry always look to reap the benefits of the latest developments. The academic syllabus always adapts to technological changes. The Institutes try hard to fill the gap through value-added programs like guest lectures. Alumni are ideal sources for this as they understand the nature of both society and the college.
- Financial support through alumni contribution: Siddhartha Institute of Science and Technology Alumni Association is financially contributing to college. At present 2019-20 academic year they contributed Rs 5,58,000.
- BOS members: Siddhartha Institute of Science and Technology alumni are part of Board of Studies (BOS) members and Internal Quality and Audit Control (IQAC) as Co-opted members.
- Jobs by Alumni/Referrals for jobs: By setting up referral interviews, alumni adapt to the current technological environment of industrial jobs. In most cases, freshers are offered jobs by their alumni employers.
- Internship by Alumni: Some of the alumni are always motivated to provide internship support in their working companies.
- Alumni Feedback: Alumni feedback is one of the major parameters for revising the syllabus for the current academic year.

5.4.2 – No. of registered Alumni:

650

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

558000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Monthly review meeting with all Alumini coordinators 2. Alumni meet on 29-12-2019 held at Siddartha institute of Science and Technology, Puttur. In these 320 Members was attended 3. Guest lecture on "Cognizant Recruitments process" by Indhu on 20-07-2019 at B-203, SISTK 4. Expert Lecture has been given in the area of thermal engineering by P. Yaswanth reddy on 13 -12- 2019 at ECE Seminar hall, SISTK 5. Webinar on Renewable energy grid integration along with real time case studies by M. Yaswanth on 23-05-2020. 6. Webinar on "CNC programming and analysis" By Thejesh on 27-05-2020 7. A webinar on "Latest Programming Technology in Industry" by Y. Yogananda Chowdary on 04-04-2020 8. Expert Lecture on "Enhance the security Challenges through IOT" by TS Poojavathi on 14-12-2019 9. Guest Lecture on "VLSI Technology" by Deepika on 29-12-2019 at seminar hall. 10. Guest Lecture on "Advanced Concrete Technology" by S. Dinesh on 03-01-2020

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)

To facilitate a decentralized governance system, the organization provides operational autonomy to various functionaries. The Practice of Decentralisation plays a crucial role in management that decides academic planning and governance, enhancing technical facilities, infrastructural development, and office management. The Institute establishes the quality at all levels of administration and academics by constituting different committees such as Governing Body, Academic council, Finance committee, IQAC Committee, College Academic committee, Board of Studies, etc., All the internal and external stakeholders are involve in the decentralisation and participative management who are working together towards the efficient execution and steady progress of the Institution. 1. Administrative Management Siddartha Institute of Science and Technology is led by Chairman and is administered by Principal. The Principal, deans and different committees and cells work towards the institute vision and mission. Various committees such as College Academic committee, IQAC, Admission, Examination, Academic Audit, Planning and evaluation and various cells such as innovation and IPR, training and placement, Institution industry, grievance redressal , NSS etc. are planned and implement various academic, student administration and related policies. Internal and external stakeholders are involved in various committees and cells. As per the guidelines the members of the committee are changed to maintain a uniform exposure of duties for academic and professional development of faculty members. The significance of this Institution is that it involves all the stakeholders in decision making process for framing guidelines, rules and regulations to undergo smooth and systematic operation of the institute. 2. Academic Management The process of decentralization includes general administrative responsibilities, new portfolios are formed at different levels, and Deans are appointed for each of the portfolios. Many senior faculty members are promoted to takeover crucial administrative positions like the Head of the departments, Deans, Placement Officer, Controller of Examination, and NSS etc,. Their key role plays a crucial part in various decision-making and implementing the academic calendars, Teaching learning Process, Feedback system, organizing curricular and co-curricular activities. Controller of examination is executes

the exam section and monitors the conduction of examination and evaluation process as per the academic regulations. Departmental HODs monitor various academic activities such as allocation of subjects preparation of course files by the faculty, implementation of time tables, preparation of lab manuals and implementation of student mentoring and counselling system. Placement coordinator play major role to conduct placement training and placement drive for the students with coordination of department placement coordinators. Deans, College Academic Committee and Department Academic Committee, were formed to continuously monitor and guide the academic and administrative activities. The committee comprises key stakeholders like administrators, faculty, staff, industry, employer, alumni, parent, and students.

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
Admission of Students	Admissions in the college are held as per the AP Government norms under two categories such as EAPCET and EAMCET exams through the Department of Technical Education and Andhra Pradesh State council of Higher Education. (APSCHE) Admissions are held in quota wise Government Quota (70) and Management Quota (30).
Industry Interaction / Collaboration	Departments of all the branches actively engage in the Industry Academia Partnership (IAP), Institution Innovative Council (IIC) had been continuously interacting with industry to develop the collaborative work through MOU's. Through this, the departments can get acquainted with industries, field visits, and industrial visits for student's project purpose. Guest Lectures, visiting lectures, Expert lectures are done in all the departments. Internship and recruitment process is undergone with collaborative training. Training the students to meet the industry needs, enhancing their employability skills, soft skills and aptitude has been taken priority. Imparting training to the students has been done effectively in view of the student's progress. Technical Programs have been conducted department wise to enrich their knowledge.
Human Resource Management	The College has an administrative office with an adequate team of staff. Transparency is maintained regarding the timings and functioning of the office so that the students can reach

during the office time. Recruitment procedures, service rules, salary scales, promotion policies are made known to everyone which is a common factor for all the employees depends on their qualification and experience. Casual Leaves, Medical Leaves, ESI, are enabled for taking leaves and salary will be credited to their bank account directly. Faculties are given increments and also encouraged monetarily for various extra-curricular and co-curricular activities.

Research and Development

Research and Development activities which is known as RD cell is to promote the research activities such as sending Research proposals to various funding agencies. Faculties are encouraged to write and publish in International Journals and Books, to attend webinars and virtual conferences as well. Further, teachers are encouraged to pursue research degrees, and to make their publications in Scopus indexed journals. Conducting FDPs and workshops, attending IPR, and preparing project proposals constitute the main part of the RD cell. In addition, students are encouraged to do the mini projects, additional lab experiments and also in-house projects. Making them to take part in Conferences, workshops and symposiums enhances their creativity and knowledge.

Library, ICT and Physical Infrastructure / Instrumentation

The College has well-spread infrastructure, Library, ICT Facility, and Laboratory facility. The Institution's physical infrastructure spreads over 11 acres with two Hostels separately for both boys and girls with good canteen facility. College holds UBI ATM inside the campus and stores are also serving the needs for students. Sports facility for both Indoor and Outdoor games are available. Library holds 25746 text books, 2743 reference books, 207 Journals, NPTEL Videos, DELNET, ICT facility and computers with 165 MBPs speed of Internet connectivity and application softwares. World class Open Auditorium is available for conducting college programs is well maintained. On the Whole, the college is equipped with necessary facility and it is a greenery campus.

Examination and Evaluation

The Institute possess well-equipped

and organised exam cell and implemented the evaluation and assessment system in accordance with the University Pattern. Student performance blended with the tasks shall be evaluated with two internal assessments. Assignment marks will be added along with this internal assessment. Question paper setters in and out of the states were gathered and arranged for paper setting to maintain the standard of the syllabus and Institute as well. Maintaining decorum during examinations is monitored by Internal Squad for End Semester Examination and also to avoid malpractices in the examination. Exam papers are enabled with bar codes. Grading: Evaluation for each subject is done for the total 100 marks and marks obtained in each subject will be converted to a corresponding letter grade.

Teaching and Learning

Teaching process in this Institution helps the students in enhanced learning procedure.

- ICT enabled classrooms, and supporting them through video lectures.
- Model based teaching includes demonstrating through slides and posters.
- Training classes are conducted to hone the communicative skills of the students.
- Assignments for each subjects after each chapter is given to enhance the learning concepts.
- Academic Calendar is prepared with tentative dates for all the academic happenings like internal assessment, evaluation etc. For this purpose, Academic Committee meetings are held every Monday to schedule all academic activities within the time frame.
- Adequate Learning Resources are available in the Library for both students and teaching fraternities to improve their knowledge.
- English Language Laboratory Labs are techquiped with necessary softwares and headsets.
- Lab Manuals are provided to the students to complete their lab tasks with reference to it.
- Seminar Halls are available in each department to undergo Departmental activities at regular Intervals.
- MOOC, SWAYAM (NPTEL) has been introduced in the curriculum to assist students learning processes with emerging technologies.
- Remedial classes are adopted for slow learners.

Curriculum Development	<p>Curriculum Development is a process in accordance with the Board of Studies and Academic Council to ensure the curriculum is updated to meet current industry trends and needs. It takes place according to the guidelines of AICTE, local needs and APSCHE. In tune with College's Vision and Mission and in view of student's prospects, the curriculum is established in consultation with experienced subject experts. Students are trained with necessary learning system which is flexible for enhancing their employability skills. The curriculum is revised according to the industry needs. The entire stakeholder's feedback is taken into account for review and reformation.</p>
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Examination	Dbase Solutions Pvt Ltd, Eluru, Andhra Pradesh.
Administration	Dolphin Software Solution, Coimbatore
Finance and Accounts	Tally ERP 9
Student Admission and Support	Dolphin Software Solution, Coimbatore

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
2019	P.Nandini	A Five days workshop on Emerging Trends 2.0	-	1500
2019	E Murali	MATLAB For Image Processing	-	2000
2019	Dr D Sudhakara	Role of digital Technology for National Development	-	2000
2019	B. Ramesh	Workshop on Research Proposal Writing for Funded Projects	-	1500
2020	M Doorvasulu	Machine	-	1000

	Naidu	Learning With MATLAB		
2019	A J Reuben Thomas Raj	Quality Research Paper Writing And Publishing	-	500
2019	M.vijaya lakshmi	FDP on impact of 5G technology on IOT	-	500
2020	V.S.Ravi	Nano Engineering Materials	-	2000
2019	N. Sreedhar	Role of Digital Technologies For National Development	-	1000
2019	S.Suresh	Innovative technologies in Mechanical Engineering	-	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)
2020	Seminar on PIC Automation in Industries	-	10/01/2020	10/01/2020	29	Nil
2019	Recent trends in power converters applications in Electric vehicles	-	09/12/2019	11/12/2019	35	Nil
2020	-	Electrical measurements and its applications	22/01/2020	22/01/2020	Nil	20
2019	Two days workshop	-	24/11/2019	25/11/2019	95	Nil

	on" Ferrocement Hollow slabs for multi-storey buildings in seismic prone areas"					
2019	5 Day FDP on "Dassault systems 3D Experience "	-	12/09/2019	16/09/2019	15	Nil
2020	"Leadership Programme For Senior Administrators"	-	20/01/2020	24/01/2020	50	Nil
2019	-	Assessment on Typing and Documentation Skills for Non Teaching Employees	11/11/2019	15/11/2019	Nil	40
2020	-	"New Non-Teaching Technical Staff Orientation Programme"	10/02/2020	14/02/2020	Nil	42
2019	-	One day workshop on PCB Rework and Hand Soldering	15/12/2019	15/12/2019	Nil	2
2019	FDP on CMOS Analog IC Design	-	25/11/2019	26/11/2019	25	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
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FDP on Embedded Systems - for a Connected Tomorrow	6	14/11/2019	18/11/2019	5
Two day workshop on STTP on VLSI modelling and Design	4	21/01/2020	22/01/2020	2
Five days workshop on Block Chain technology	3	26/05/2020	30/05/2020	5
Natural Language Procesing Behind Data Science-FDP	1	22/06/2020	26/06/2020	5
Five day FDP on Recent advances in electrical engineering	2	25/06/2020	30/06/2020	5
Workshop on MATLAB and simulink in engineering education	3	10/06/2020	11/06/2020	2
One Day seminar on Research, Funding Projects IPR	86	16/10/2020	16/10/2020	1
Statistical approach to overcome the difficulties during machining of Polymer composites	10	20/02/2020	25/02/2020	5
Quality Research Paper Writing and Publishing in High Impact Journals	76	15/03/2020	17/03/2020	3
FDP on Next Generation Wireless Systems and Networks Theory to Practice	5	01/08/2020	05/08/2020	5

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
158	158	30	30

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Group Insurance, Medical care	EPF, ESI, Medical care	1. Merit Scholarship by the Management Government schemes. 2. Sports scholarship by Management, Medical care.

6.4 – Financial Management and Resource Mobilization

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

Institution conducts Internal and External Financial audits regularly. The Institute maintains an internal and external audit process to ensure financial compliance. Auditing has been done regularly for maintaining the institutional accounts. Internal Audit: Internal audit is a continuous process. Qualified Internal Audit experts from external sources have been appointed to regulate the system of accounts. Under them a team of staff work thoroughly to check and verify all the payments, receipts, Journal vouchers, transaction cash books, ledger account review that are carried out for each financial year. External audit: A financial audit is carried out once in a financial year by an external chartered accountant. The audit consists of verification of cash book, bank book, fees bank accounts, journal entries, ledger, income tax returns etc.

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
No Data Entered/Not Applicable !!!		
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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	Affiliated University	Yes	Internal Audit Committee
Administrative	Yes	P. Murali Co., Hyderabad	Yes	Internal Audit Committee

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

- Principal arranging meeting with parents to discuss about academic progress and attendance of the students at the end of the each year
- Every year conducting the parent's day celebration.
- communication with parents by the

teachers regarding the progress of their respective wards in academics .

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

Staff Development Program (Lectures/Workshops/Training Program) are conducted regularly in individual departments to address their technical needs. The training includes training on lab equipment, New equipment practices, meditation, etc.

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

- Teaching and Non-Teaching posts should be filled on regular basis
- ICT should be increased in teaching learning process
- Revision in syllabi to be carried regularly based on the market requirements.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	APSSDC Training Program for the students	16/08/2019	16/08/2019	21/08/2019	111
2019	Faculty development program on Outcome based education	12/09/2019	12/09/2019	12/09/2019	145
2020	Campus connect program by TV5 and government of AP	02/01/2020	02/01/2020	02/01/2020	531

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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
Quiz competition on "Inspiring Women's"	08/11/2019	08/11/2019	187	7

Traditional day celebrations	04/01/2020	04/01/2020	286	16
Expert talk on "Technology career for women"	15/02/2020	15/02/2020	225	15
International Women's day celebration	07/03/2020	07/03/2020	345	10
Student seminar on "Women of Wisdom"	24/08/2019	24/08/2019	152	10

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
The Siddhartha Institute of Science and Technology (SISTK) have taken a major step towards alternative energy by harnessing major renewable energy resources. For the Year 2019-20, 5,19,910 units produced, 2,94,841 units are exported to grid and remaining 2,25,069 units are utilized for the college thereby Rs. 22,28,997.96 revenue generated.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	Yes	0

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	05/08/2019	1	Traffic Rules	1. Do not drink and drive. 2.	135

						<p>Always own valid car insurance policy.</p> <p>3. Wear your seatbelt while driving a car.</p> <p>4. Riding a two wheeler without a helmet.</p> <p>5. Using mobile phone while riding</p> <p>6. Over speeding.</p> <p>7. Jumping the signals.</p>	
2019	1	1	29/08/2019	1	Election awareness	<p>1. voting Awareness.</p> <p>2. Reduces the scope for unfair or corrupt electoral practice</p>	165
2019	1	1	21/10/2019	1	Education for every one	<p>1. Let's make education a human right.</p> <p>2. prevention of child labour</p> <p>3. Promote learning and life skills for young people and adults in local</p>	120

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Manual for students	01/06/2021	Academic Regulations of a particular batch will be made available in the college website which includes Promotion Rules, Course Structure, Calculation of CGPA, Award of Class etc.,
Student hand book	06/06/2020	A student hand book is distribute to all the students which contain the details like Infrastructure Facilities, Programs Offered, Choice Based Credit System, Academic Requirements, Award of Degree and Class, Placement and Training Details, Anti Ragging Act, Mentor Details, Transportation Facility, Academic Calendar, Student Corner, Class Teacher Details etc.,
Student's code of conduct	01/09/2020	Code of Conduct For Students: 1. Each student shall conduct himself in a manner befitting his association with others. 2. He is expected not to indulge in any activity, which is likely to bring disrepute to the college. 3. He should show due respect and courtesy to the teachers, administrators, officers and employees of the college and maintain cordial relationships with fellow students. 4. Lack of courtesy, decorum, indecorous behaviour or untoward attitude both inside and outside the college premises is strictly prohibited. Wilful damage or discard of Institute's property or the

belongings of fellow students are not at all accepted. Creating disturbance in studies or adopting any unfair means during the examinations or breach of rules and regulations of the Institute or any such undesirable means and activities shall constitute violation of code of conduct for the student. 5. Ragging in any form is strictly prohibited and is considered a serious and punishable offence as per law. It will lead to the expulsion of the offender from the college. 6. Violation of code of conduct shall invite disciplinary action which may include punishment such as reprimand, disciplinary probation, debarring from the examination, withdrawal of placement services, withholding of grades/Degrees, cancellation of registration, etc., and even expulsion from the college. 7. Principal, based on the reports of the warden of Institute hostel, can reprimand, impose fine or take any other suitable measures against an inmate who violates either the code of conduct or rules and regulations pertaining to college hostel. 8. A student may be denied the award of Degree/certificate even though he has satisfactorily completed all the academic requirements if the student is found guilty of offences warranting such an action. 9. Attendance is not given to the student during the

		suspension period.
Code of conduct for teachers and staff	01/12/2020	<p>1. Code of Conduct for Teachers Staffs</p> <p>a. Teachers shall be at the scheduled classroom in time without any exception.</p> <p>b. Every teacher shall take attendance of the student at the beginning of the teaching hour.</p> <p>c. Class room laboratory should be left by teacher at the end of the class hour.</p> <p>d. A teacher finding a student committing any act of misconduct in the class or in the premises, shall immediately take appropriate action, which shall be -taking correctional action if it is within his/her power, or -reporting the matter to the Principal</p> <p>a. Every faculty member shall attend all the departmental and institutional functions and carry out responsibilities assigned by employing best of their skills and attention.</p> <p>b. Faculties and staff members shall not engage themselves in other activities/ businesses, which affect their effective contribution in the Department and the Institution.</p> <p>a. Faculties and Staff Members shall not receive gifts of any kind from the Students or their Parents for any favoritism.</p> <p>b. Teachers and staff members shall maintain a respectable work conduct with continuous improvement of :</p> <p>i. preparation for the particular day's classes, with latest information added to earlier course content.</p> <p>ii. all teaching aid material required for conducting the class in</p>

an orderly manner. iii. practices according to session plan for the day and completing the syllabus for the semester without any backlog. i. following up assignments and tests given to students, evaluating in time and giving feedback to the students. ii. ensuring the orderly arrangement of Class room and its cleanliness with the help of students and the cleaning staff, wherever appropriate. iii. obtaining prior sanction for leave of absence and forewarning the students of such absence as a measure of courtesy. a. Teachers and staff members shall observe good personal conduct in terms of: i. Not using any abusive language towards students, fellow teachers, parents and other members of public. ii. Not entering into quarrels, fights or any act of disrespectful nature. iii. Not engaging any activity of business inside the Institution premises, including money lending, canvassing for the sale of any articles or distribution of any commodity. iv. Not to affiliate with any political organization which might cause conflict of interest with the duties of a teacher and the reputation of the Institution.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Plantation program	28/08/2019	28/08/2019	453
Independence day celebration	15/08/2019	15/08/2019	678

Traffic Rules awareness program	05/08/2019	05/08/2019	305
National Human Trafficking Awareness day	11/01/2020	11/01/2020	450
Engineers day celebration	14/09/2019	14/09/2019	655
Teachers day celebration	05/09/2019	05/09/2019	298
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Water conservation and prevention of water wastage • CO2 neutrality is maintained on the campus by developing Greenery • Tree plantation programmes are organized by NSS • Established solar panel at roof top with a capacity of 500 KVA. • Tobacco smoking, chewing of pan-masalas and gutka is prohibited in the college campus. Health hazards caused by tobacco smoking are repeatedly highlighted especially by the NSS unit through different events and awareness programmes • "Eco Club" has been formed for the identification and preservation of the natural resources present in the college campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• Innovative Teaching and Learning • Collaborative training for campus placement

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

<http://sistk.org/>

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

Our vision is to become an eminent academic institute for academic and research that produces global leaders in science and technology to serve the betterment of mankind. The mission is to provide broad-based education and contemporary knowledge by adopting modern teaching-learning methods, to inculcate a spirit of research and innovation in students through industrial interactions and to develop individuals potential to its fullest extent so that they can emerge as gifted leaders in their fields. Our college, Siddartha Institute of Science and Technology, is situated in the rural area to provide technical education and improve the living standards of the surrounding society. Every department of the college constitutes a Department Association for conducting various events to bring out the inner talents of the students. The college collaborated with APSSDC to organize the different skill development activities for the benefit of the students. Various knowledge sharing sessions are conducted in the form of workshops/seminars/symposiums to improve the technical content of the students. With the help of these programs, students are able to learn about the current issues and challenges in industry. Along with this, various non-technical events are conducted in the interest of the students. Various clubs are formed and awareness events are held for the benefit of students. In order to improve the technical abilities of the students, individual departments organized industrial visits, internships, and training programs. Industry Academia Partnership (IAP) is a programme for students to collaborate with

industry to identify and provide possible solutions to the problems that they are facing in their organization. The institute boasts highly qualified and experienced faculty with great infrastructural facilities and excellent placement records for its students. The management encourages the students and the faculty to Dare to Dream and Strive to Achieve. The institute is a Dream Come True for many students from the rural areas of Chittoor district and Southern Andhra Pradesh.

Provide the weblink of the institution

<http://sistk.org/>

8.Future Plans of Actions for Next Academic Year

- Introducing more advance courses to bring new technologies in the curriculum to make the students ready to industry. Most advanced courses are identified by inviting various industry people during the curriculum development and interacting with various industry people and alumni of siddartha institute of science and technology.
- Improve the number of campus placements with best packages - Placements and training cell continuously train and mentoring the students to improve the number campus placements. More number of placements can achieved by continuous training on communication skills, soft skills, aptitude and technical skills by strengthening the placement and training department and collaboration with top most training organizations.
- Initiation of clubs. With these clubs students are able to share their innovative ideas among the students, work with interdisciplinary teams. These clubs create a good platform to exhibit their talents, improve their leadership qualities, inculcate ethical values , improve communication skills and to enhance their technical skills