Yearly Status Report - 2018-2019

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. P. Sangameswara 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@yahoo.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/aqar-reports/

4. Whether Academic Calendar prepared during the year

Yes	
if yes,whether it is uploaded in the institutional website: Weblink :	http://sistk.org/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.03**	**2016**	**29-Mar-2016**	**28-Mar-2021**

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 IQAC	Date & Duration	Number of participants/ beneficiaries

workshop on IPR for faculty	29-Oct-2018 1	57
APSSDC Training Program for the students	25-Mar-2019 3	104
[View File]()		

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)

• **Curriculum Development** • **Initiation of on Campus Training for Placements** • **Academic and Administrative Audit** • **Initiated skill based training for the students**

[View File]()

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
Initiation of innovative Teaching and learning methods	Innovative Teaching and learning methods are implemented like smart teaching, usage of ICT in class rooms

Preparation of Self-assessment report for NBA accreditation	Self-assessment report submitted and NBA Team visited the college.
Curriculum Development as per guidelines of AICTE and State government	Curriculum Developed and implemented

[View File](#)

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

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**
Date of Visit	**28-Sep-2018**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**21-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The 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.**

<div align="center">Part B</div>

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	18/06/2018
BTech	02	Electrical and Electronics Engineering	18/06/2018
BTech	03	Mechanical	18/06/2018

Programme	Code	Specialization	Date
		Engineering	
BTech	04	Electronics and Communication Engineering	18/06/2018
BTech	05	Computer Science and Engineering	18/06/2018
Mtech	43	Power Electronics	18/06/2018
Mtech	38	Digital Electronics and Communication Systems	18/06/2018
Mtech	58	Computer Science and Engineering	18/06/2018
Mtech	25	Software Engineering	18/06/2018
[View File](#)			

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	18/06/2018	Engineering Mechanics - 18CE0101	18/06/2018
BTech	Civil Engineering	18/06/2018	Solid Mechanics - 18CE0105	18/06/2018
BTech	Electrical & Electronics Engineering	18/06/2018	Electrical Circuits -I - 18EE0201	18/06/2018
BTech	Electrical & Electronics Engineering	18/06/2018	Electrical Circuits-II - 18EE0202	18/06/2018
BTech	Mechanical Engineering	18/06/2018	Workshop Pratice Lab - 18ME0301	18/06/2018
BTech	Mechanical Engineering	18/06/2018	Kinematics of Machinery - 18ME0304	18/06/2018
BTech	Electronics & Communication Engineering	18/06/2018	Electronic Devices - 18EC0401	18/06/2018
BTech	Electronics & Communication Engineering	18/06/2018	Digital System Design - 18EC0402	18/06/2018
BTech	Computer Science & Engineering	18/06/2018	Programming for Problem Solving - 18CS0501	18/06/2018
BTech	Computer	18/06/2018	Digital Logic	18/06/2018

Science & Engineering		Design - 18CS0502	
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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**	**18/06/2018**
BTech	**Electrical & Electronics Engineering**	**18/06/2018**
BTech	**Mechanical Engineering**	**18/06/2018**
BTech	**Electronics & Communication Engineering**	**18/06/2018**
BTech	**Computer Science & Engineering**	**18/06/2018**

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soft Skill Training (III year)	**07/05/2018**	**30**
Soft Skill Training (II year)	**13/02/2019**	**45**
APSSDC Placement Training Program On Wheel Box	**10/08/2018**	**15**
PLC DCS Usage	**14/09/2018**	**20**
MATLAB Programming	**14/09/2018**	**25**
Workshop on BUILD BOX	**13/03/2019**	**145**
Workshop on SCI LAB	**06/08/2018**	**150**
Workshop on IUCEE SCALE	**26/07/2018**	**147**
Course on C - programming	**02/07/2018**	**48**
Soft Skills	**02/07/2018**	**47**
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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	**Civil Engineering**	**10**

BTech	Electrical & Electronics Engineering	19
BTech	Mechanical Engineering	4
BTech	Electronics & Communication Engineering	24
BTech	Computer Science & Engineering	33
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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

Feedback Collection Process: • The feedback is initiated by the Internal Quality Assurance Cell (IQAC). • The institution has established a system of collecting feedback from the students in all courses twice in a semester. Generally, after 10 days of the beginning and at the end of every semester. • The feedback has been collected through the online system by a defined inbuilt feedback software where students can respond towards the structured questionnaire regarding the key elements i.e. communication, number of examples quoted, behavior in class, teaching methodology, and so on. • The students are encouraged to give feedback on facilities such as College Infrastructure, Departments' resources, Laboratories, Library, Computing and Internet, Sports, Placement Training, Hostels, Transport, Canteen, safety, medical and so on. Feedback Analysis: • Once feedback is collected it will be under the process of the faculty performance through some standard statistical tool applications. • The collected feedback is analyzed by the IQAC and a detailed report is submitted to the principal. Rewards/Corrective Measures: • The faculty is called to have a discussion about feedback with the HOD and Principal for the betterment in their performance. • The best performed faculty members are encouraged with appreciation. • Members of the faculty, whose performance is poor, are advised based on their weak areas by HOD and the Principal. • The faculty members are encouraged to participate in various Workshops/Seminars/ Conferences/ Training Programs/FDPs to enhance their skills. • The institution organizes faculty development programmes regularly for improving their knowledge and teaching skills.

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	Software Engineering	18	Nill	Nill

Mtech	Computer Science and Engineering	18	Nill	Nill
Mtech	Digital Electronics and Communication Systems	18	2	2
Mtech	Power Electronics	18	Nill	Nill
BTech	Computer Science and Engineering	60	57	57
BTech	Electronics and Communication Engineering	240	228	228
BTech	Mechanical Engineering	180	28	28
BTech	Electrical and Electronics Engineering	60	24	24
BTech	Civil Engineering	120	26	26
[View File](#)				

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	1290	2	161	12	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
173	173	12	15	4	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)

Yes - The principle objective of introducing the 'Student Mentoring System' is to guide the academic, career advancement, co-curricular and extra-curricular performances of the student and accordingly council the students to utilize all the resources available in the institution for holistic development of the students. The system encompasses continuous monitoring of the students' performance, identifying the strengths,

shortcomings, behaviour, and attitude, and offering amiable support and specific suggestions to develop the students in all aspects. The system also aims at implanting good habits, behaviour, and human values among the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1290	173	1:7

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
173	155	18	18	11

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	CE – 01	I/I	07/02/2019	16/02/2019
BTech	EEE –02	I/I	07/02/2019	16/02/2019
BTech	ME – 03	I/I	07/02/2019	16/02/2019
BTech	ECE – 04	I/I	07/02/2019	16/02/2019
BTech	CSE – 05	I/I	07/02/2019	16/02/2019
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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
4	1227	0.33

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)

https://www.sistkmech.org/po-s-peo-s

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage

			appeared in the final year examination	in final year examination	
01	BTech	Civil Engineering	47	29	61.7
02	BTech	Electrical and Electronics Engineering	31	27	87.1
03	BTech	Mechanical Engineering	66	50	75.76
04	BTech	Electronics and Communication Engineering	137	108	78.83
05	BTech	Computer Science and Engineering	49	46	93.88
38	Mtech	Digital Electronics and Communication Systems	1	1	100

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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://sistk.org/about-iqac/

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. Arif Hussain
[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 !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0

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
Webinar on Building Materials Estimation	Civil Engineering	08/09/2018
Numerical Computation for Mechanical Engineers	Mechanical Engineering	03/04/2019
Autotronics Safety	Mechanical Engineering	29/09/2018
Indian Game Development Challenge 2018	Electronics and Communication Engineering	04/09/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Laser Security System For Agriculture Crops	G.K.VIVEK	APSCHE	04/08/2018	Best Project Proposal Appreciation Award
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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	8	0

International	Electronics and Communication Engineering	2	0
International	Computer Science and Engineering	9	0

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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 !!!	
No file uploaded.	

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
Processing And Mechanical Testings Of 7075 Al Matrix Composite Reinforced With Al2o3 Nano- Particles Fabricated By Stir Casting Route	Mr. S. SURESH	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	8	SISTK, ME, PUTTUR	8
Wear behaviour of Al 7075 /SiC/Mg metal matrix nano composite by liquid state process	Mr. S. SURESH	Advanced Composites and Hybrid Materials	2018	9	SISTK, ME, PUTTUR	9
Corrosion	Mr. S. SURESH	Journal of Bio-	2019	3	SISTK, ME, PUTTUR	3

Behaviour of Al 7075 /Al2O3/SiC MMNCs by Weight Loss Method		and Tribo- Corrosion				
Tribolog ical Behavior of Al 7075/SiC Metal Matri Nano- composite by Stir Casting Method	Mr. S. SURESH	Journal of The Ins titution of Engineers (India): Series D	2019	9	SISTK, ME, PUTTUR	9
Mechanical and Wear C haracteriz ation of Al/Nano SiC NMMC's by Liquid State Process	Mr. S. SURESH	Journal of Bio- and Tribo- Corrosion	2019	11	SISTK, ME, PUTTUR	11
Experime ntal inves tigation on mechanical properties of Al 7075 /Al2O3/Mg NMMC's by stir casting method	Mr. S. SURESH	Sadhana (journal)	2019	7	SISTK, ME, PUTTUR	7
Mechanical Properties of AA 7075 /Al2O3/SiC Nano-metal Matrix Composites by Stir- Casting Method	Mr. S. SURESH	Journal of The Ins titution of Engineers (India): Series D	2019	10	SISTK, ME, PUTTUR	10
Mechanical and wear behavior of Al 7075	Mr. S. SURESH	Advanced Composites and Hybrid Materials	2019	10	SISTK, ME, PUTTUR	10

/Al2O3/SiC /mg metal matrix nan ocomposite by liquid state process						

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
A Hybrid Approach to the Classification of Brain Tumors from MRI Images using Fast bounding Box Algorithm	Mr. E Murali	IJSSST	2018	2	2	SISTK, PUTTUR
Wear behaviour of Al 7075 /SiC/Mg metal matrix nano compositeby liquid state process	Mr. S. SURESH	Advanced Composites and Hybrid Materials	2018	6	9	SISTK, PUTTUR
Tribological Behavior of Al 7075/SiC Metal MatrixNano-composite by Stir Casting Method	Mr. S. SURESH	Journal of The Institution of Engineers (India): Series D	2019	6	9	SISTK, PUTTUR
Mechanical and Wear Characterization of Al/Nano?SiC NMMCsby Liquid	Mr. S. SURESH	Journal of Bio- and Tribo-Corrosion	2019	6	11	SISTK, PUTTUR

			State Process				
Experimental investigation on mechanical properties of Al 7075 /Al2O3/Mg NMMC's by stir casting method	Mr. S. SURESH	Sadhana (journ l)	2019	6	7		SISTK, PUTTUR
Mechanical Properties of AA 7075 /Al2O3/SiC Nano-metal Matrix Composites by Stir-Casting Method	Mr. S. SURESH	Journal of The Institution of Engineers (India): Series D	2019	6	10		SISTK, PUTTUR
Mechanical and wear behavior of Al 7075 /Al2O3/SiC /mg metal matrix nanocomposite by liquid state process	Mr. S. SURESH	Advanced Composites and Hybrid Materials	2019	6	10		SISTK, PUTTUR

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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	7	26	18	Nill
Presented papers	2	3	Nill	Nill

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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)
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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	350
National Voter's Day	NSS Unit Narayanavanam mandal Tasildhar team	50	150
Prevention Of Ragging	NSS Unit Puttur court officials	35	400
ODF AWARENESS	NSS Unit	25	250
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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
No Data Entered/Not Applicable !!!			
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
SISTK, NSS Unit	SISTK, NSS Unit	LLR MELA in College Campus.	5	150
SISTK, NSS Unit	SISTK, NSS Unit	Blood Donation Camp.	5	50
SISTK, NSS Unit	SISTK, NSS Unit	Awareness Program on Road Safety	5	200
SISTK, NSS Unit	SISTK, NSS Unit	National Voter's Day	5	100
SISTK, NSS Unit	SISTK, NSS Unit	Engineer's day	6	300
SISTK, NSS Unit	SISTK, NSS Unit	Kerala Flood Donation Camp	5	200

SISTK, NSS Unit	SISTK, NSS Unit	Prevention Of Ragging	6	100
SISTK, NSS Unit	SISTK, NSS Unit	World Youth Skill Day	4	50
SISTK, NSS Unit	SISTK, NSS Unit	District Level Gnana-bheri Program.	5	100
SISTK, NSS Unit	SISTK, NSS Unit	Blood Donation Camp	5	200
[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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
Industrial Training	Prasara Bharathi All India Radio	Government of India	24/09/2018	15/12/2018	Manjula P
Internship	IGDC Game Development (12 ECTS)	APSSDC	22/01/2019	04/03/2019	Charan Kumar P, Padmakar P V, Himajaswi R Y, Manoj Kumar M R
[View File](#)					

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
APSSDC-ARC	15/02/2019	TRAINING ON ROBOTICS	77
APSSDC	19/09/2018	FUNDAMENTAL PHASE-1, GAMIFICATION WITH AR/VR- BUILDBOX, PROJECT SKILL TRAINING, AMAZON WEB SERVICES TECHNICAL	151

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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
691.08	683.39

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
DOLPHIN	Fully	1.1	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20891	3988500	3243	273000	24134	4261500
Reference Books	2215	886000	130	52000	2345	938000
Journals	139	125640	Nill	Nill	139	125640
Library Automation	1	150000	Nill	Nill	1	150000

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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	840	460	60	60	606	20	180	100	0
Added	60	60	0	0	0	0	0	0	0
Total	900	520	60	60	606	20	180	100	0

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

100 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 incurredon maintenance of physical facilites
77.65	7258972	610	61079876

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 institute has a well-defined system of maintenance of its physical, academic, and support facilities like laboratory, library, sports, indoor stadium, computers, classrooms, etc. The maintenance Supervisor and his team are involved in the maintenance of overall infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping. The workers look after the maintenance of restrooms, approach roads, and neatness of the entire premises. Housekeeping services are regularly executed and monitored. The institute has a strong system for the maintenance teams under the guidance of the Administrative Officer. The overall maintenance of infrastructures like instructional rooms, administrative, amenities and circulation area, academic and support facilities are done systematically with the support of qualified and trained technical and administrative staff. Adequate in-house staff is employed to meticulously maintain hygiene and cleanliness on the campus so as to provide a clean and congenial learning environment. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative officer. The requirements are collectively processed during every semester break so as to keep things ready for the next academic year/semester. Laboratories: All the laboratories are well equipped and maintained to conduct laboratory courses. The numbers of laboratories are established as per the norms of AICTE and regulations of JNTUA. The equipment and infrastructure in the laboratories is based on the

curriculum and strength of the class. The laboratory equipment is augmented on a continual basis and also based on the demand the list of the experiments to be conducted in a given domain area. The laboratory equipment is maintained cleanly and calibrated periodically to provide accurate results and maintain reproducibility. The lab classes are conducted systematically. A minimum of 15 to 20 of unutilized lab slots/week is allotted for regular maintenance works in the laboratories. The equipment and machinery in the laboratory/workshop are maintained by well-trained technical staff. All laboratories are supported with a power backup system (UPS) and in addition to standby power generators. The laboratories are provided with adequate ICT facilities in order to facilitate the computation and conduction of experiments. The safety of the student and staff is paramount important in the institution. Each and every lab is provided with safety equipment and student/staff was given the necessary instructions to maintain safety in the laboratories. Classrooms: The Classrooms, Seminar halls, and Laboratories, Departmental offices, Staff rooms, Administrative offices are cleaned and maintained hygienically. There are designated staff for the purpose who are assigned to a designated location. A designated supervisor ensures the job is carried out regularly. The Dustbins are placed on every floor in the campus. The Green Cover of the campus is well maintained by full-time gardeners. The Classrooms, Seminar halls, and Laboratories, Departmental offices, Staff rooms, Administrative offices are having the access to wi-fi facilities. All the building blocks are connected with the fire hydrant system as a prevention measure. Fire extinguishers were also placed at prominent locations and spots as a safety measure. The building

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	45	225000
Financial Support from Other Sources			
a) National	APGovt.(RTF MTF) National Scholarship	940	32900000
b)International	Nill	Nill	Nill
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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	24/08/2018	307	Training Placement Cell, SISTK
Language lab	31/03/2019	310	Training Placement Cell, , SISTK
Work shop on "Recent developments and	22/10/2018	110	S.V. Mahesh Babu A.D.E/Transco 220KV Sub Station

research challenges in distributed generation and micro grid"			Renigunta
Aptitude Reasoning	24/08/2018	301	Freelance Trainer
Computer Skills Development	20/08/2018	446	Freelance Trainer
Personal Counselling and Mentoring	20/08/2018	1447	Faculty of , SISTK
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Career guidance program	312	312	35	197
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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
6	6	12

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
ASPIRE SYSTEMS, TEST YANTRA, WISDOM REDOUR, MANAGEMENT PVT LIMTD, FOXCONN, DND Technologies , AMARARAJA BATTERIES, BLUE VALE SOLUTIONS, T ECHMAHINDRA, SKY GRAPH,	264	109	SUBHAGRUHA PROJECT IND PVTLTD, INDOMIM, SKD, CYIENT, INFANT, e- CALL SERVICE, RAJGROUP, CTS, TCS, AEGIS, GENPACT, VEETECH, WIPRO, SONATA,	220	88

GEMINI COMMU NICATIONS, FORD, UNITECH TRANSFER, CAPGEMINI, AMTEK, GOURI TIRUPATI, BSCPCIN			BLAKBORD, HCL		
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	5	B.Tech	Computer Science and Engineering	SV university , SPMVV university	M.Tech/MS
2018	4	B.Tech	Electronics and Communic ation Engineering	VIT,SVEC	M.Tech/MS
2018	8	B.Tech	Mechanical Engineering	VEMU,SKIT, SV,GVIC,AITS	M.Tech/MS
2018	10	B.Tech	Electrical and Electronics Engineering	SVPP,SDTN, AITS,MITS, SVNE,	M.Tech/MS
2018	8	B.Tech	Civil Engineering	KSRMCE, SRE, AITS, CVSE, KMM, SVEC, SIETK	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
GATE	5
CAT	1
GRE	2
TOFEL	1
Any Other	26
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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	25

Group Dance	Inter-Meet	36
Solo Dance	Inter-Meet	30
Shot Put	Inter-Meet	15
Long Jump	Inter-Meet	15
100 mt. Running	Inter-Meet	15
Kabaddi	Inter-Meet	50
Volley Ball	Inter-Meet	45
Cricket	Inter-Meet	75
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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	Second Prize	National	1	Nill	164E1A0501	M. Babu
2019	Second Prize	National	1	Nill	174E1A0502	A. Bharadwaj
2019	Second Prize	National	1	Nill	174E1A0112	M. Rajasekhar
2019	Second Prize	National	1	Nill	174E1A0205	S. Ravi sai nandhan
2019	Second Prize	National	1	Nill	184E1A0201	T. Bhanu Prakash Reddy
2019	Second Prize	National	1	Nill	184E1A0223	T. Vinay
2019	First Prize	National	1	Nill	184E1A0209	M. Kushwanth
2019	First Prize(women)	Nill	Nill	1	164E1A0516	N.Lakshmi
2019	Second Prize (women)	National	1	Nill	164E1A0525	N. Navya
2019	Second Prize (women)	National	1	Nill	164E1A05 275	P. Niharika
[View File](#)						

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

Student Council: Institute promotes the candidature of students on academic and administrative bodies. An active Student Council comprises members to monitor Cultural, Technical, Sports and Literary events, Anti-ragging Gender sensitization programs, NSS activities, and Alumni meet in college. Council

members along with association and committee members take an active role in conducting College Annual day, Sports day, traditional day and national festivals. A Student Council is a representative structure through which students in the college get involved in the affairs of the college for the benefit of the college and all students. Objectives • To enhance communication between students, management and staff. • To promote an environment conducive to educational and personal development. • To promote friendship and respect among pupils. • To support the management and staff in the development of the college. • To represent the views of the students on matters of general concern to them. The Student Council and the Management: • The college establishes and maintains procedures for the purpose of informing about the activities in the college. • The college encourages students to set up a Student Council and assists it as per requirements. • The college draws up rules for the establishment of a Student Council, selection of members and the dissolution of the council. • The college has a role in arranging meetings of the student council. 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. The Student Council and the Principal: The role of the Principal is of central importance in the establishment and operation of a Student Council. In assisting the Management in the development of college policy, and in working with teachers and implementing it at day-to-day level, the Principal is centrally placed in all aspects of the college's operations. In the initial stages, the Principal, together with the other teachers, will assist in the development of a Student Council in several ways, for example, by discussing with students the role of a Student Council and the role of individual representatives on the council. The Principal will assist in guiding the Council's development, so as to allow for a constructive and purposeful Council. More generally, the Principal can promote the college culture which recognizes the potentially valuable input that students can make, through a Student Council, into the development of the college. Key functions of Student Council: The functions and activities of a Student Council support the aims and objectives of the Council and promote the development of the college and the welfare of its students. In planning and undertaking activities during the course of the year, the Council 1. Works closely with the management, teachers, and students. 2. Consults students in the college regularly and involves as many students as possible in the activities of the Council.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

Siddartha Institute of Science and Technology, since its inception in 2008, has been striving to achieve and impart quality education with an emphasis on practical skills and social relevance. Over the years, many students graduated through the portals of Siddartha Institute of Science and Technology to be the torch bearers in the society. The alumni of Siddartha Institute of Science and Technology are now spread across the world, contributing to the society as Engineers, Teachers and Entrepreneurs. They are the brand ambassadors of our college. The alumni support the institution and contribute to its institutional and academic development. The college conducted 9 Alumni meet in science 2011 in the name of "HOME COMING" or "ALUMNI DAY" at the college campus, to bring together all the old students to share their experiences with faculty. The alumni participate actively as the members of Board of Studies (BOS) and give valuable suggestions for framing innovative curriculum to include latest technologies, which help in meeting the industry requirements. Currently, 2200 alumni have enrolled themselves in the association. A separate website "http://alumni.siddharthgroup.ac.in/" The Alumni also actively involve and support the student on placement opportunities and in pre-placement in training

so as to build the necessary skills/training such that the students choose right path and become skilful and employable. They also advice students on the importance of Internships in Industry and how to approach the industry for seeking an internship. Alumni contributions can be in the following manner: • Discussion with current students: First-hand experiences in challenging real-life are always welcomed by graduating engineers and they will be keener to learn from their pass-out seniors and these exchanges are always fruitful. • Guest lectures/Workshops: Technology is always changing, and the industry is always eager to encash the fruits of the latest technology. The academic syllabus always endeavors to catch up with changes in technology. Institutes try hard to fulfill the gap through value-added programs in the form of guest lectures. Alumni are ideal sources for this as they understand the culture of both society and the college. • Financial support through alumni contribution: Siddartha Institute of Science and Technology Alumni Association is financially contributing to college. At present 2018-19 academic year they contributed Rs 6,02,000. • BOS members: Siddartha 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: Alumni help their juniors by providing information about job openings in the current markets. Many-a-time alumnui themselves are part of the placement finalize groups. Internship by Alumni: Some of the alumni are providing internships assistance to the students in their ventures. Alumni Feedback: Alumni feedback are of the key inputs to strengthen the teaching and learning environment at the institute

5.4.2 – No. of registered Alumni:

513

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

602000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Monthly review meeting with all Alumni coordinators 2. Alumni meet on 21st December 2018 held at Siddartha Institute of Science and Technology, Puttur. In these 300 Members was attended 3. Guest lecture on "Engineers role in software" by Suresh on 12th July 2018 at seminar hall, SISTK 4. Expert Lecture has been given in the area of IoT based applications by P.Nandini on 8th November 2018 at smart classroom SISTK 5. Webinar on Advances in solar power generation by C. Hariram Charan on 25-01-2019. 6. Webinar on "Basics of ANSYS software" By K. Durga on 24-01-2019 7. A webinar on "Introduction to AI" by Vijetha on 08-04-2019 8. Expert Lecture on "Developments of chip manufacturing industry" by Srinivasan on 14-02-2019 9. Guest Lecture on 'Radar and its role in protection" by E.Bhavya Sai on 20/02/2019 at seminar hall 10. Guest Lecture on "Latest construction methods" by K. Lavanya on 03/03/2019

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)

The institution has a mechanism of providing operational autonomy to various functionaries to ensure a decentralized governance system. 1. Academic Management The Chairman is the chairperson of the governing body of Siddartha Institute of Science and Technology and the Principal is the member secretary. The Principal in consultation with the Faculty nominates different committees for planning and implementation of different academic, student administration, and related policies. Faculty members are taken part in various committees and

cells nominated by The Governing body, IQAC, and other committees. Every year, the composition of different committees is changed to ensure uniform exposure of duties for the academic and professional development of faculty members. Further, Students are empowered to play important role in different activities. The Institution involves all the stakeholders in the decision-making process for framing guidelines and rules regulations to ensure smooth and systematic functioning of the institute. 2. Administrative Management As a decentralization measure of general administrative responsibilities, new portfolios are created at different time intervals and Deans are appointed for the same. Many senior faculty members occupy pivotal administrative positions like the Deans, Placement Officer, Controller of Examination, various committee members. They are also part of various decision-making administrative bodies. The institution has in place several Committees and Sub-Committees to continuously monitor and guide the academic and administrative activities. The committees comprise key stakeholders like administrators, faculty, staff, industry, employer, alumni, parents, 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
Curriculum Development	• The duly constituted Boards of Studies and Academic Council critically review the Curriculum and periodically update the same to cope up for the current technology and industry expectation strictly following guidelines of AICTE. All stake holder feedbacks are taken into account for review and reformation.
Teaching and Learning	• ICT enabled class rooms • Model based teaching. • Training classes conducted to hone the communicative skills of the students.
Examination and Evaluation	Distribution and Weightage of Marks: • The performance of a student in each semester shall be evaluated through internal evaluation and /or an external evaluation conducted semester wise. • Student performance in blended tasks shall be evaluated of 2 assignments relevant to that particular course. Grading: After each subject is evaluated for 100 marks, the marks obtained in each subject will be converted to a corresponding letter grade.
Research and Development	• Teachers are encouraged to write in national and international journals and books. • Teachers are encouraged to pursue research degrees. • Conducting workshops and encouraged faculty to attend on IPR, Project proposal

	preparation. • Students are encouraged to do the mini projects, additional lab experiments and also in-house projects.
Library, ICT and Physical Infrastructure / Instrumentation	The college has state-of-art physical infrastructure, library, ICT facility, laboratories facility. Land - 11 Acres Hostel – 02 Canteen - 01 Other facility – UBI ATM, Stores. Sports Games - Outdoor Indoor facility with stadium Library – 24134Text Books, 2345Reference Books, 139 Journals, NPTEL Videos, DELNET,INFLIBNET facility ICT facility Computers - 100Mbps Internet connectivity - System and Application software.
Human Resource Management	• A well laid down Organization Chart is drawn up. The duties and responsibilities for all cadres are clearly defined in service rules of the institution. • Teachers are given additional charges for various extra-curricular and co-curricular activities. • The College has an administrative office with a team of staff. The functioning of the office is very transparent and students are well informed about the functioning and services of the administrative office.
Industry Interaction / Collaboration	With IAP program, departments continuously interact with industry to develop the collaborative work through MoU's. Through this, the departments can get acquainted with industries for students' project, Guest lectures, visiting lectures, Industrial visit, internship, recruitment and other activities.
Admission of Students	Admissions of students are as per the AP government norms under two categories 1. Government Quota (70) 2. Management Quota (30)

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

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

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/	Name of the	Amount of support

Year	Name	workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	B.Ramesh	Recent Advances in electrical research under TEQUIP 1.2	Nill	3000
2019	K. Gunaprasad	simulation of power electronics and drives using MATLAB	Nill	1000
2019	K. Gunaprasad	Nill	ISTE	3000
2019	Dr. D Sudhakara	One day National level Workshop on 3D Printing	Nill	2500
2019	Mr. S. Suresh	one day Workshop on "Electrical Vehicles – Awareness Campaign Benefits to Society"	Nill	3000
2019	Mr. V.S. Ravi	National level Two day Workshop on Quadcoptor Applications	Nill	2500
2019	Mr. N. Sreedhar	National level Two day Automobile Prototyping Workshop	Nill	2500
2019	Mr. P. Sarath Babu	One day National level Quadcoptor Designing Workshop	Nill	2500
2018	SANDEEP S	FDP on Wireless Networks	Nill	600
2018	SAILAJA G	FDP on Wireless Networks	Nill	600
		[View File]()		

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	Title of the administrative	From date	To Date	Number of participants	Number of participants

	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2018	Two days' workshop on "Advances in metrology and instrumentation"	-	26/11/2018	27/11/2018	20	Nill
2018	-	One day hands-on training on " Usage of engineering workshop tools and safety guidelines"	29/11/2018	29/11/2018	Nill	12
2019	Two days workshop on "Implementation of complex VLSI Designs using open sources"	-	26/04/2019	27/04/2019	31	Nill
2018	-	Hands on training on " Maintenance of electronics Equipment"	27/11/2018	27/11/2018	Nill	15
2019	Three Day FDP on "Recent trends in Power Electronics Converters"	-	04/02/2019	06/02/2019	26	Nill
2019	Two day workshop on Recent trends in " Concrete technology "	-	19/02/2019	20/02/2019	19	Nill
2019	-	Hands on			Nill	22

		training on "Electrical machine operation and maintenance"	10/04/2019	10/04/2019		
2018	Two Day Faculty Development Programme On "Amazon Web Services"	-	07/11/2018	08/11/2018	42	Nill
2018	-	One day hands on training on "MS Office and windows operating system"	20/11/2018	20/11/2018	Nill	25
2018	Two days workshop on" Aseismic Design of Tall Buildings"	-	21/11/2018	22/11/2018	65	Nill
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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
Industrial applications of electrical engineering	4	19/07/2018	21/07/2018	3
Analog electronics	3	04/06/2018	06/06/2018	2
Current practices in EHV and UHVAc transmission and renewable energy based power plant	2	08/02/2018	12/02/2018	5
Five day Workshop on "Electrical Vehicles – Awareness	2	11/02/2019	15/02/2019	5

Campaign Benefits to Society"				
Fives day workshop on "Advanced Manufacturing Technology"	2	04/03/2019	08/03/2019	5
Five day Workshop on "Electrical Vehicles – Awareness Campaign Benefits to Society"	2	18/03/2019	22/03/2019	5
Five day workshop on " Energy Conservation in Mechanical Engineering Fields"	3	15/04/2019	19/04/2019	5
STTP on VLSI Design Embedded System	4	02/07/2018	04/07/2018	3
Advanced VLSI Design and Applications with hands-on in CADENCE toolset	2	25/06/2018	29/06/2018	5
FDP on Embedded Systems Wireless sensor network for IoT	2	12/02/2019	12/02/2019	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
173	173	29	29

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)

The institute has a mechanism for internal and external audits. We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise, an external audit is also carried out in an elaborate way on a quarterly basis. The institutional accounts are audited regularly by both Internal and statutory audits.

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	JNTUA	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 academic attendance of students end of the semester. • Every year conducting the parent's day celebration. • Interactions between the parents and the teachers regarding the support progression of their respective wards in academics.

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

Faculty Development Program (Lectures/Workshops/Training Program) is conducted regularly by individual departments to address their technical needs. The training includes Student-centric classrooms, 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 a 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	Smart Books (Mcgraw-Hill)	04/03/2019	14/03/2019	14/03/2019	300
2018	Industry academia partnership Program	04/03/2019	04/03/2019	04/03/2019	66
2018	workshop on IPR for faculty	29/10/2018	29/10/2018	29/10/2018	57
2018	APSSDC Training Program for the students	25/03/2019	25/03/2019	25/03/2019	104

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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
Women In Innovation	20/04/2019	20/04/2019	125	5
Women Meet Summit	31/12/2018	31/12/2018	108	7
Technology Careers For Women	15/11/2018	15/11/2018	98	7
Gender equity in education	15/07/2018	15/07/2018	105	6

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 Siddartha Institute of Science and Technology (SISTK) has taken a major step towards alternative energy by harnessing major renewable energy resources. During the last financial year, total Units Generated 5,82,869 and Export to Grid 1,86,104 units, College Utilization 3,96,765 units and Revenue Generated 14,06,946.24.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill

Ramp/Rails	Yes		Nill
Braille Software/facilities	Yes		Nill
Rest Rooms	Yes		Nill
Scribes for examination	Yes		Nill
Special skill development for differently abled students	No		Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	01/07/2 018	1	District Level Gna nabheri Program.	knowledge event	150
2018	1	1	15/07/2 018	1	Youth Skill Day (TV5 Yuva Prastanam)	Youth skill dev elopement	1100
2018	1	1	10/08/2 018	1	Prevent ion of Ragging	Prevent ion Of Ragging in college student	700
2018	1	1	01/07/2 018	1	District Level Gna nabheri Program.	knowledge event	120
2019	1	1	07/02/2 019	1	Awareness Programme on road safety	awareness programme	150
2019	1	1	11/02/2 019	1	LLR Mela	Awareness of driving license	130
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HANDBOOK ON HUMAN VALUES AND PROFESSIONAL ETHICS	02/08/2018	To provide information of HANDBOOK ON HUMAN VALUES AND PROFESSIONAL ETHICS

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Women empowerment	09/09/2018	09/09/2018	320
Teachers day celebration	05/09/2018	05/09/2018	120
Plantation	05/06/2019	05/06/2019	450
Engineering day celebration	17/08/2018	17/08/2018	550
Independence day celebration	15/08/2018	15/08/2018	180
Blood donation camp	30/08/2018	30/08/2018	58
International yoga day	21/06/2019	21/06/2019	400
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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 programs are organized by NSS • Established solar panel at rooftop 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 programs • "Support Your Campus" committee has been formed for the identification and preservation of the natural resources present in the college campus • Introduced ECO Club in the Institution to educate the students regarding environmentally friendly activities.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• In-house projects • Student Counselling Student Counselling: Student Counselling refers to the act of giving advice to another person. Counselling services include psychological, mental, or emotional counselling, as well as education and career counselling services. For students at the college level, the objective is to guide and help them throughout their time at that institution, offering suitable aid at each stage of their development, growth, or progress. Every 10 – 15 students are assigned to one counsellor as part of the counselling process. The faculty keeps track of the students personal interests, values, competencies, and personal qualities on a regular basis. Students are recommended to make accurate judgments on the selection of open elective subjects, learning advanced courses and attending training programmes with collaborators, as well as the selection of mini projects and final projects, based on their competencies. Weak students are recognized during the preceding internal access exams, and they are offered special coaching classes, special tests, and so on. Students who fail or underperform on internal examinations, model exams, or other assessments are counselled personally, and

the information is communicated to parents by personal phone contact. Parents are invited to visit the college and meet with the HODs to discuss their childrens progress. In-house Research projects: The goal of in-house research proposals for internal funding is to create/improve a facility that will benefit students as well as industrial demands. The project proposals are chosen based on their ability to involve a large number of students/industry participants, as well as their feasibility. Small projects in conjunction with industries, institutes may be eligible for seed funding. The projects proposals are evaluated properly by the committee under the Research Dean and accordingly, the seed money is released to the concerned faculty guides and properly monitored to complete the project in time.

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

• SmartBook Concept is introduced in the classroom teaching-learning process. • EBSCO Information Services India Private Limited subscription taken towards E-Books engineering core collection. Students are accessing this facility to enrich their knowledge. • CM's Skill Excellence center a Part of APSSDC sanctioned to develop software skills for students in IoT, Android Applications. • Industry-Academia Partnership (IAP) is a program for the students to collaborate with Industry to solve problems which they are facing in their organization. In this program, students can able learn about current issues and challenges in Industry. • Innovation Cell is introduced to develop the student innovative ideas and to convert those ideas into a business with help of an expert committee. Entrepreneurship Cell

Provide the weblink of the institution

http://sistk.org/

8.Future Plans of Actions for Next Academic Year

• NBA accreditation • Development of best curriculum • Establishment of Industry relations NBA Accreditation Benefits and Significance: • Validates quality standards Accreditation for an engineering program signifies to students that the program outcomes of NBA approved colleges has met stringent quality standards. These rules out the necessity of students having to conduct detailed analysis of their own to evaluate an institution and its programs when making a decision on college admission. • Fosters trust in the institution Accreditation makes it necessary that institutions go all-out to meet and maintain their high standards. This in turn increases trust and confidence in them among the public and also helps to boost accountability. This helps potential students and their families to place a certain level of trust on the institution for which the accreditation is received. After all, the future career goals depend on the education they receive. • Improves student performance Students getting their degree from a college that has its programs given the stamp of quality can be confident about the education they have received. An NBA accredited program uses Outcome Based Education OBE to measure students on 3 criteria – knowledge, skills and attitude. Also, the facilities and curriculum ensure the student is employment ready when they graduate. • Helps in SWOT analysis and bettering outcomes Accreditation helps engineering institutions to do a SWOT analysis i.e. evaluate their strengths, weaknesses and opportunities / threats. While a SWOT is a good starting point for evaluation, it helps the college understand where it currently stands and how it should move forward. As a result, the college gets insight into

how to improve its programs on a continuous basis. You can enhance the quality of your programs such that it sets you apart from other engineering colleges. • Provides basis for fund-raising Helps institutions in securing necessary funds from the government. With funding increasingly linked to performance and outcomes, accreditation would help engineering colleges to avail performance-linked funding and incentives. • Edge in the job market The advantages of NBA accreditation to students include enhanced chances of career success. One of the biggest NBA accreditation benefits is that more companies will find it advantageous to take part in your college's placement programs. Establishment of Industry relations • Industries and institutes have been collaborating for over a century, but the rise of a global knowledge economy has intensified the need for strategic partnerships. • The Institutes are imparting the basic knowledge and skill, but the Industry-Institute Interaction will enable to undertake research by staff and students relevant to the industry. • The Industry-Institute Interaction should be designed to run longer period for preparing the manpower of world class in the field of science and technology by inculcating the various skills required by the industry, thereby contributing to the economic and social development at large. • With several layers of collaboration being built by the government to develop the Make in India program, the manpower needs have to be fulfilled in order to witness