Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SASI INSTITUTE OF TECHNOLOGY AND ENGINEERING**
Name of the head of the Institution	**Dr. KAVURU BHANU PRASAD**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08818275500**
Mobile no.	**9177785599**
Registered Email	**principal@sasi.ac.in**
Alternate Email	**office@sasi.ac.in**
Address	**Kadakatla,Tadepalligudem**
City/Town	**Tadepalligudem**
State/UT	**Andhra Pradesh**
Pincode	**534101**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Dec-2017**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. N. VENKAT RAO**
Phone no/Alternate Phone no.	**08818275500**
Mobile no.	**9177785599**
Registered Email	**office@sasi.ac.in**
Alternate Email	**ao@sasi.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://sasi.ac.in/iqac/aqar

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://sasi.ac.in/academics/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	A	3.14	2014	10-Dec-2014	09-Dec-2019
1	A	3.14	2019	13-Feb-2019	31-Dec-2023

6. Date of Establishment of IQAC

20-Jul-2013

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Reforms in assessment process	19-Jul-2019 3	130
No Files Uploaded !!!		

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
sasi institute of technology and engineering	New Gen	DST	2020 1	250000000
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**2**
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 Uploaded 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)

Developing quality parameters for various academic / administrative activities of the institute Assessing the quality parameters and providing required suggestions for the improvement. Conducting seminars / workshops on quality related issues. Conducting faculty development programmes on emerging technologies for faculty. Best practices such as No Vehicle Day, Sapling Plantation, Rain Water Harvesting and Green, Clean Plastic Free Campus

[View Uploaded 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
To Discuss on Improving the Quality of	Quality of Assignments and Teaching

Assessment Process	Aids are enhanced.
To discuss on Student Performance on Competitive Exams	Support for students to break competitavie exams
No Files Uploaded !!!	

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

Name of Statutory Body	Meeting Date
Governing Body	12-Jun-2019

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

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

Year of Submission	**2019**

Date of Submission	**19-Dec-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)	**Yes, Institution has MIS Software through which appropriate coordination among management, administration, teachers and students is done. Through MIS Unique PNR number is generated for every student, which enables entire data related to her for all the three years. For examples, Students Admission, Icard generation, Fee receipts, generation of admission slip, Students List, etc. MIS maintains all students' records from admission to examination. Bona fide certificates, Character Certificates and Transfer Certificates, etc. are issued with the help of MIS. The MIS is used in the functioning of the college in respect of administrative process including Finances, Income tax reports, Arrears details, Salary structure for employees. Employees' records in form of biometrics attendance are stored. Library Management System for staff and students is operational. All accounting data is stored and generated through Tally ERP 9**

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	B.Tech-CE	CE	22/05/2019
BTech	B.Tech-IT	IT	21/05/2019
BTech	B.Tech - ECE	ECE	15/05/2019
BTech	B.Tech-ME	ME	16/05/2019
BTech	B.Tech-CSE	CSE	24/05/2019
BTech	B.Tech-EEE	EEE	30/05/2019
Mtech	M.Tech-CSE	CSE	24/05/2019

View Uploaded 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	CE	18/05/2018	Engineering Mechanics (18CECET3020) Fluid Mechanics (18CECET3030) Surveying Geomatics (18CECET3040) Building Materials Concrete Technology (18CECET3050) Hydraulic Engineering (18CECET4010) Strength of Materials (18CECET4020) Transportation Enginee	18/05/2018
BTech	CSE	01/07/2019	Web Technologies- R1641053	01/07/2019
MBA	MBA	02/12/2019	Entrepreneurship Development (18MS04T2) 18MS01T4 Security Analysis & Portfolio Management	02/12/2019

BTech	ME	30/03/2019	(18MS03F4) Banking & Insurance Management (18MS03F5) Advanced Cost &Management Accounting (18MS03F6) Strategic Financial Management (18MS03F7) Financial Markets	
BTech	ME	30/03/2019	Programming for problem solving (18CMCST2030) Engineering Mechanics (18MEMET3020) Manufacturing Processes (18MEMET3040) Thermodynamics (18MEMET3050) Materials Engineering (18MEMET3060) Strength of Materials (18MEMET4010) Fluid Mechanics & Fluid Machi	05/05/2018

[View Uploaded File](#)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NA	Nill
No file uploaded.		

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	CE	18/05/2018
BTech	IT	07/12/2019
MBA	MBA	01/07/2019
BTech	ME	19/05/2018

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
Total station	01/01/2020	86
IoT Using Raspberry Pi and Python	23/07/2019	150
Machine Learning and Deep Learning using Python	30/08/2019	100
DevOps	14/08/2019	60
Certificate Programme on Banking, Finance Insurance	20/01/2020	35
Value Added Certification Program on QCAD Training	09/12/2019	146
Value Added Certification Program on SCI LAB Training	09/12/2019	203
One Day Workshop on 3-D Printing	14/08/2019	95
One Day Workshop on 3-D Printing	13/12/2019	51
Two Day Workshop on Non-Destructive Testing's	20/12/2019	104
[View Uploaded File](#)		

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	EEE	94
BTech	CE	53
BTech	ECE	166
BTech	CSE	170
MBA	MBA	59
BTech	ME	153
BTech	IT	44
[View Uploaded File](#)		

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

Purpose The purpose of this policy is to establish a feedback regime at the Institute in order to: ? provide students with meaningful feedback to promote learning and facilitate improvement of overall student outcomes ? monitor and improve the quality of the student experience and ? assist with development of staff and workplace improvement plans. Internal Stakeholder ? Management - Coordinate the activities of a programme in order to achieve defined objectives. ? Faculty - Act as channels for mission accomplishment. ? Students – Adapt the vision, mission and PEOs for professional development. External Stakeholders ? Parents – Ambassadors for providing constructive suggestions for smooth functioning of the institution. ? Alumni - Brand Ambassadors carrying the mission forward. ? Professional Bodies – IEEE, BMESI, SEEE, ISTE – support for excellence in education through awards and other forms of recognition. ? Industry Representatives – Siemens Healthineers, GE Healthcare, Philips Healthcare, Medtronics, National Instruments, Kovai Medical Center and Hospitals and Texas Instruments facilitate trainings, industrial visits, internships and industrial projects. ? Faculty from Renowned Institutions – IIT, IISc, IIST, TIER I Institutions, Foreign Universities - to handhold and suggest ways and means of delivering quality education. ? Employer - Represents the major end users of our graduates and gives inputs to overcome the gap between program and industry. ? Accrediting Authorities - Accepted as agencies for quality assurance process, under which our services and operations are evaluated. The stakeholders' feedback are involved in the following processes a. Vision, mission and PEO formulation process b. Approval of COs, POs/PSOs of the programme c. Identification of curriculum gap and the activities that support the POs/PSOs continual improvement. d. Participation in various academic and administrative committees like Governing Body, Academic council, IQAC, IIPC, IPR, Alumni association meetings, DAC, PAC. e. Also, stakeholders are involved during admission, student awareness workshops, student induction programs and other intra departmental meetings. Objective of feedback The feedback collection process, aims towards continual improvement of academic and administrative facilities available in the campus. It is achieved by the following parameters: ? Feedback in learning process: To maximize their potential at different stages of training, raise their awareness of strengths and areas for improvement, and identify actions to be taken to improve performance. ? Feedback in assessment process: To understand the subject being studied and gives them clear guidance on how to improve their learning. Providing students engage with feedback, it should enhance learning and improve assessment performance. Feedback Mechanism Feedback obtained periodically from various stakeholders help alleviate the academic concerns and motivate the students and faculty to improve their performance. Feedbacks are taken into consideration and corrective measures / improvements are made by the Head of the departments and Principal. If necessary, these are forwarded to the management for further action. Feedback from various sources has significantly improved academic activities, effective usage of teaching -learning resources and student's professional career advancements. Feedback on Curriculum 1. Feedback on Teaching and Learning Process Feedbacks from students are obtained periodically by the Head

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

BTech	CE	60	34	34
BTech	EEE	120	53	53
BTech	ECE	180	180	180
BTech	CSE	180	210	207
BTech	IT	60	55	55
MBA	MBA	120	86	86

[View Uploaded 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
2019	2832	157	233	25	258

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
258	258	54	54	56	7

[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)

In SITE, the mentoring system has been used to establish a better and more effective relationship between student and teacher and also constantly monitors, council, and guide students in educational and personal issues. All the faculty perform as mentors for students assigned to them. Mentoring system is a continuous process until the end of the students academic career. The aim of student mentorship is 1.To enhance teacher-student relationship. 2.To enhance student's academic performance and attendance. 3.To minimize the students dropout ratio. 4.To monitor the student's regularity and discipline. 5.To enable the parents to know about the performance of regularity of wards. Mentors maintain and update the counseling books after gathering all essential details. Mentors are expected to offer guidance and counseling as and when required. It is the practice of mentors to meet students individually or in groups. If a student is identified as having weakness in a particular subject, the mentor must inform the concerned subject teacher. At least 3 to 4 meetings are arranged by mentors for their mentees each semester. Though the system has only been implemented in the last few years, significant teacher-student relationship improvement has been observed. This system has helped identify slow and advanced learners, and through carefully examining each mentors report, the institute has organized Remedial Classes on identified topics. HOD will meet all mentors of his/her department at least once a month to review the paper implementation of the system. Types of mentoring done in our institution are 1. Professional Guidance – Regarding professional goals, career choice, and higher studies. 2. Career Improvements – Regarding self-employment, entrepreneurship growth, opportunities, confidence, truthfulness, and integrity required for career growth. 3. Course work specific – Regarding attendance and performance in the current semester and overall performance in the earlier semester. Outcomes of the system 1. The attendance percentage of the students has increased to a greater extent. 2. The number of detainment of students has decreased consistently. 3. Due to direct communication between the mentor and the student, there was good improvement in the student-teacher relationship.
https://drive.google.com/file/d/13hwRJHW8ltdiCKn764SE2G91453VloyR/view?uspsharing

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2989	258	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
258	258	0	51	Nill

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
2019	Mr. Sk Salman Basha	Assistant Professor	Swatch Bharat-Swatch Tadepalligudem,Govt of AP, APSRTC,AP
2020	Mr. Sk Salman Basha	Assistant Professor	Corona Warrior Honor "certificate of Appreciation , Govt Of A.P,JAC,Bhimavaram
2019	Dr.Ch.Srinivas	Professor	Best Researcher Award, JNTUK,Kakinada, Govt of A.P
View Uploaded File			

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	UG	I/IV	02/02/2019	03/12/2019
BTech	UG	II/IV	19/09/2020	18/10/2020
BTech	UG	I/III	02/02/2019	10/01/2020
BTech	UG	II/III	03/10/2020	31/12/2020
BTech	UG	I/II	16/09/2019	30/11/2019
BTech	UG	II/II	11/07/2020	21/12/2020
View Uploaded File				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

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

0	2952	0

2.6 – Student Performance and Learning Outcomes

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

https://www.sasi.ac.in/electronics__commun/electronics-communication-engineering/

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	CE	53	51	96.22
02	BTech	EEE	94	73	77.65
03	BTech	ME	151	125	82.78
04	BTech	ECE	166	149	89.75
05	BTech	CSE	168	152	90.47
12	BTech	IT	44	41	93.18
27	BTech	PE	27	27	100
PG	MBA	MBA	86	86	100

View Uploaded File

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)

https://www.sasi.ac.in/student-satisfaction-forms/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.R B Choudary
View Uploaded 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
National	NIL	NIL	Nill	NIL
International	NIL	NIL	Nill	NIL

	View Uploaded File

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	360	NEW GEN- IEDC	4500000	4500000
Any Other (Specify)	780	AICTE	1345098	1345098
Any Other (Specify)	60	DST	450000	450000
Major Projects	1080	DAE-BRNS	2345100	1114900
View Uploaded File				

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

1

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Faculty Development Programme on Entrepreneurship	MS	19/10/2019
Entrepreneurship Development Programme	MS	02/12/2019
View Uploaded File		

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
NIL	NIL	NIL	Nill	NIL
View Uploaded File				

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
MSME Business Incubation Centre	MSME Business Incubation Centre	MSME	Business Start Up	Business Incubation	06/06/2018
View Uploaded File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	1

ECE		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	EEE	4	0.1
International	CSE	21	0.2
National	ASH	1	0.1
International	CE	4	0.1
International	IT	8	0.1
International	ME	12	2.3

View Uploaded File

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
EEE	2
MS	1
ASH	2

View Uploaded File

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A Novel Image Compression Model And An Operation Method Thereof For Underwater Environment	Filed	201941046137	29/11/2019
Bullock Cart Automation	Filed	201941033895	22/08/2019

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
Detour number of 1-fault connected graphs	Mr.T.V.Raghu	Fundamenta Informaticae	2019	0	Sasi institute of Technology and Engineering	2
Solving Octagonal Fuzzy Sequencing Problem	A.Ramesh Babu	International Journal of Engineering and	2020	0	Sasi institute of Technology and Engine	0

using New Ranking Method		Advanced Technology (IJEAT)			ering	
Rietveld refinement and FTIR spectroscopic studies of Ni2 substituted Zn-ferrite nanoparticles	Ch.Srinivas	Applied Physics-A	2019	6.9	Sasi institute of Technology and Engineering	7
Study of magnetic behavior in co-precipitated Ni-Zn ferrite nanoparticles and their potential use for gas sensor applications.	Ch.Srinivas	Journal of Magnetism and Magnetic Materials	2020	5.5	Sasi Institutite of Technology and Engineering	27
Structural and Mossbauer Spectroscopic studies of Manganese substituted Copper ferrite nanoparticles.	Ch.Srinivas	AIP Proc	2020	1.5	Sasi Institutite of Technology and Engineering	0
Evaluation of structural and dielectric properties of Mn2-substituted Znspinel ferrite nanoparticles for gas sensor applications.	Ch.Srinivas	Sensors and Actuators B: Chemical	2020	15	Sasi Institutite of Technology and Engineering	20

Natural fuels assisted combustion synthesis of zinc oxide nano particles for antimicrobial activities	Ch.Srinivas	Ceramic internatio nal	2019	8	Sasi Institutite of Technology and Engineering	7
Impact of WhatsApp Interaction on Improving L2 Speaking Skills	A.V.Surya Seshagiri	International Journal of Emerging Technologies in Learning (IJET)	2019	0	Sasi Institutite of Technology and Engineering	0
Structural, Optical and gas sensing properties of TiO2-MoO3 thin films,	K.Srinivas Rao	International Journal of Thin Film Science and Technology,	2019	0.4	Sasi Institutite of Technology and Engineering	4
Evaluation of structural and dielectric properties of Mn2-substituted Znspinel ferrite nanoparticles for gas sensor applications.	M.Deepty	Sensors and Actuators B: Chemical	2020	15	Sasi Institutite of Technology and Engineering	1
[View Uploaded File](#)						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Modified Model Predictive Control of	Dr Aswani Kumar E	Arabian Journal for Science	2019	3	3	Sasi Institute of Technology

Back-to-Back T-type NPC Converter Interfacing Wind Turbine-Driven PMSG and Electric Grid		and Engineering				Engineering
Simplified model predictive control of a three-phase T-type NPC inverter	Dr Aswani Kumar E	IET Power Electronics	2019	3	3	Sasi Institute of Technology Engineering
Fault Classification in Transmission Systems using Wavelet Transform	Dr Avagaddi Prasad	Gazi University Journal of Science	2019	2	6	Sasi Institute of Technology Enginering
An efficient radix trie-based semantic visual indexing model for large-scale image retrieval in cloud environment	Dr. N Krishnaraj	Journal of Software	2019	83	6	Sasi Institute of Technology Enginering
An effective deep learning features based integrated framework for iris detection and recognition	Dr. N Krishna Raj	Journal of Ambient Intelligence and Humanized Computing	2019	24	6	Sasi Institute of Technology Enginering
Rietveld refinement	Dr.Ch.Srinivas	Journal: Applied	2019	331	7	Sasi Institute

Title	Author	Journal/Publisher	Year			Institute
and FTIR spectroscopic studies of Ni2 substituted Zn-ferrite nanoparticles.		Physics-A Publisher: Springer				of Technology Enginering
Study of magnetic behavior in co-precipitated Ni-Zn ferrite nanoparticles and their potential use for gas sensor applications.	Dr.Ch.Srinivas	Journal: Journal of Magnetism and Magnetic Materials Publisher: Elsevier	2019	179	20	Sasi Institute of Technology Enginering
Evaluation of structural and dielectric properties of Mn2-substituted Znspinel ferrite nanoparticles for gas sensor applications.	Dr.Ch.Srinivas	Sensors and Actuators B: Chemical Publisher: Elsevier	2020	211	20	Sasi Institute of Technology Enginering
Natural fuels assisted combustion synthesis of zinc oxide nano particles for antimicrobial activities	Dr.Ch.Srinivas	Ceramic international	2019	126	7	Sasi Institute of Technology Enginering
Structural and luminescence studies on TiO2-MoO3 thin films	Dr.K.Srinivasa Rao	International Journal of Thin Film Science and Technology	2019	4	4	Sasi Institute of Technology Enginering

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	178	Nill	Nill
Presented papers	3	Nill	Nill	Nill
Resource persons	2	Nill	Nill	Nill

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)
CE	Compressive Strength of Red Brick	Bhaskar Resources Pvt. Ltd.	500
CE	Compressive Strength of Paver Block	Bhaskar Resources Pvt. Ltd.	500
CSE	Result Processing	SBTE	50000
CSE	Testing Automation of Grab Q pons product	Affine Labs Pvt. Ltd	70000
CSE	A Web portal for consultancy management	Flair Technologies, USA	200000
CE	Compressive Strength of Cubes	BSRV Prasad electrical works	15000
CE	Water Sample Testing	Bhaskar Resources Pvt. Ltd.	1000
CE	Concrete Mix Design	Bhaskar Resources Pvt. Ltd.	1000
CE	Compressive Strength of Cubes	Srinivasa Industries	18500
CE	Compressive Strength of Cubes	Bhaskar Resources Pvt. Ltd.	4000

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
EEE	Funding Research	New Gen IEDC, NSTEDB, Department of Science Technology	750000	9

EEE	Faculty Development Programme	AICTE	481000	10

View File

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Womens Day	SITE RED ANTS	8	8
Blood donation camp	Govt. Blood Bank, Eluru	19	105
World AIDS Day	Good Lamp	3	82
Waste paper sale	ITC, Khammam	1	20
Tribute to Pulwama attack	SITE RED ANTS	1	7

View File

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Social service activities	Appreciation certificate	Department of School Education, Govt. of AP	7
Covid relief activities	Covid warrior honour	JAC, Bhimavaram	1
Swatch bharat – swatch Tadepalligudem	Appreciation certificates	APSRTC, Tadepalligudem depot.	12

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 activites	Number of students participated in such activites
NSS	Govt.of AP	International day of YOGA	35	172
NSS	Govt.of AP	Plantation Programme	46	260
NSS	Govt.of AP	International White cane day	33	512
NSS	JNTUK, Kakinada	Mahatma Gandhi Birth Anniversary	7	17
NSS	Govt. Blood	Blood	21	105

	Bank, Elur	donation camp		
NSS	IAB, Madurai, Tamilnadu	International White cane day	28	512
SITE	SITE RED ANTS	Awareness Programme on Fire and Safety	8	8

[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
Research Project	Ch L S S Pavan Kumar	New Gen IEDC, DST, Govt of India	360
Research Project	B Jeevana Rani	New Gen IEDC, DST, Govt of India	360
Research Project	Dr. N K Chaitanya	New Gen IEDC, DST, Govt of India	360
Research Project	Mr. Y Himanth	New Gen IEDC, DST, Govt of India	360
Research Project	P Siva Durga Rao	New Gen IEDC, DST, Govt of India	360
Research Project	B Ramesh Babu	New Gen IEDC, DST, Govt of India	360
Research Project	Dr. G L Chowdary	New Gen IEDC, DST, Govt of India	360

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
MOU	CPBFI	Bajaja Finserv	14/08/2018	14/08/2021	97
Internship	Internet of things (IOT)	Andhra PradeshState Skill Devlopment (APSSDC)	12/05/2020	29/05/2020	CH.B.V.Krishna Praneeth
Internship	Internet of things (IOT)	Appleton Innovations	08/11/2019	22/11/2019	G Siva Venkata Durga Ganesh
Internship	Internet of things (IOT)	Appleton Innovations	03/06/2019	20/06/2019	G.Nitish Satya Sai
Internship	Digital		07/04/2020	19/05/2020	Addagarla

Marketing	Internshala (AMP Digitals)			Mounika Sri Sai Bharathi
Internship	Web Development	Internshala	05/07/2020	06/07/2020	M Durga Bhavani

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
Bajaja Finserv	14/08/2018	Skill enhancement	35
Sai Prasad Automobile Accoseries	04/07/2018	To Train the Students and Staff and helps to get projects and internships	512
Salia Polymers Pvt. Ltd.,	04/07/2019	To Train the Students and Staff	512
Aspiring Minds Pvt. Ltd.,	08/08/2019	To Train the Students and Staff	512
No file uploaded.			

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
257711725	132311725

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
New Gen Lib	Fully	Helium 3.1	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	52281	547407	4009	1395073	56290	1942480
Journals	92	50939	25	318571	117	369510
e-Journals	7	5900	2	1216992	9	1222892
e-Books	8049	5900	8049	5900	16098	11800
Digital Database	1	13570	1	13750	2	27320

[View File](#)

 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
0	0	0	Nill

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	738	578	578	10	10	110	50	540	0
Added	0	0	0	0	0	0	0	0	0
Total	738	578	578	10	10	110	50	540	0

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

540 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
NIL	Nill

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
8801808	7551808.57	52421092	41921092.28

 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)

MAINTENANCE SECTION: There is a centralized maintenance section which is headed by a Maintenance engineer and supported by skilled technicians. This section takes care of maintenance of infrastructural facilities which includes plumbing works, electrical, carpentry, masonry and sewage works. The section receives maintenance requirements from the departments and other sections and undertakes the necessary work following internal operating procedures under the directions given by the concerned head of the department. 1. INFRASTRUCTURAL MAINTENANCE: Infrastructural maintenance includes maintenance of buildings, furniture and electrical facilities, water pipe lines, sanitary fittings and minor masonry works are carried out following the internal operating procedure.The Department of Mechanical Engineering maintains the central workshop and fabrication facility which provides the required carpentry and other services including fabrication of cabinets, desks, counter tops and the installation of doors and windows. Maintenance of electrical equipment such as Generator, UPS, and Batteries periodically and the condition / status of equipment are recorded. The suppliers/service providers are approached in case of any major fault. The general electrical maintenance works like lighting, fans and motors in the campus are carried out following the internal operating procedure.Any major maintenance or replacement works related to infrastructure are executed by external people on contract basis. 2. MAINTENANCE OF IT FACILITIES: The functioning of college intranet and internet facility is monitored and maintained by the hardware technicians in association with Network administrator. Any issues/problems related to cabling/ testing of wired network and WiFi will be attended by the Hardware Technicians from Computer Science department. Fiber Optic cable issues will be taken care by the external agency . Any up gradations or modification of the existing Network Model will be carried out by external agencies following central purchase procedure under the direction of principal.Issues related to Telephone intercom will be serviced by the technician from ECE department. Any major maintenance works related to IT infrastructure are executed by external people on contract basis. 3. ACADEMIC FACILITIES MAINTENANCE • Every Department has a faculty incharge who will periodically check the condition of class room/laboratory amenities like benches, chairs, black boards, fans, lights and LCD's. The in charge will resolve the problem following the internal operating procedure. • Equipment in the laboratories is maintained regularly without disturbance to the academic schedules. The inhouse maintenance and repairs are addressed by the respective department technicians who are qualified and trained. • Computers and software in the laboratories are maintained by system/network administrators in each department. • Major problems and repairs will be attended in consultation with the suppliers following the central purchase procedure. 4. MAINTENANCE OF SUPPORTING FACILITIES: • Adequate man power is employed to maintain cleanliness of the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly. Wash rooms and rest rooms are well maintained.

www.sasi.ac.in/maintenance_2019-20

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	JVD,Govt of A.P	1568	96067100
Financial Support from Other Sources			

a) National	0	0	0
b)International	0	0	0
View File			

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
B.Tech – Aptitude Sessions	08/11/2018	510	Internal
B.Tech – TCS (Aptitude)	24/06/2019	510	Internal
B.Tech – TCS (Coding)	06/07/2019	510	Internal
Infosys – Aptitude and Verbal Sessions	24/11/2019	510	Internal
B.Tech – Coding Sessions	10/09/2019	510	Internal
MBA and Diploma – Aptitude	16/09/2019	71	Internal
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Campus Recruitment	40	1400	18	407
2020	Campus Recruitment	50	1459	14	90
View File					

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
0	0	0

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
EPAM	1035	291	TCS	1035	34

Systems HCL Technologies Mindtree Aliens Group UTS MAQ Cognizant Hexaware CGI Inc Full Creative Abhi Bus Eureka Forbes Wipro Ltd GKN Drive Line Global Edge Allsec Technologies Domineer Wipro Tech JBM Group West Agile Labs Toppr Technologies Eff			Infosys Infy TQ Apps Associates LT Technology Zensar Technologies Infosys IBM NTT DATA Tech Mahindra AIS Glass Amazon Byjus Legato Health Toll Plus		
			[View File](#)		

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	ECE	Gayathri Vidya	M.Tech (CESP)
2019	1	B.Tech	ECE	Parishad College of Engineering	M.Tech
2019	1	B.Tech	ECE	College of Engineering, Visakhapatnam	M.Tech (EIE)
2019	1	B.Tech	ECE	GITAM,Visakhapatnam	MBA
2019	1	B.Tech	ECE	NIT, Agartala	M.Tech (VLSI Design)
2019	1	B.Tech	ECE	Christ Deemed University, Bangalore, India	MBA
2019	1	B.Tech	ECE	JNTU,Kakinada	M.Tech (VLSI&ES)
2020	1	B.tech	ECE	Wichita State	MS

| 2019 | 1 | B.Tech | ECE | IIT Tirupati | M.Tech |
| 2019 | 1 | B.Tech | ECE | PACE university | MS |

[View File](#)

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

Items	Number of students selected/ qualifying
GATE	8
GRE	1

[View File](#)

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Republic Day: Song	State	121
Sankranthi Sambaralu: Rangoli, Tug of War, Traditional Fashion Show and Kolatam	State	152
CRICKET,BADMINTON (Singles Doubles) Table Tennis,(Singles Doubles) ,Volleyball, Athletics: , Javelin ThrowDISCUSS THROW, SHOTPUT,LONG JUMP, TRIPPLE JUMP AND HIGH JUMP:	Institutional	545
Badminton(Singles Doubles),Table Tennis (Singles Doubles), Tennicoit (Singles Doubles), Volleyball, ,Throwball, and Athletics: Javelin Throw, Shotput, DiscussLongJump, Tripple Jump, 4x400mtrs relay(Womens)	Institutional	624
Anveshana19 of Sasi Institute of Technology Engineering(A) 2019 – Cultural Events	Regional	2859

[View File](#)

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

2020	II PRIZE (TECHNOSOL)	National	Nill	3	Nill	Ch. Prabhaker
2020	II PRIZE (PROJET ENCURSO 2K19)	National	Nill	3	Nill	Chammna Prabhakar Bora Bhagath Kumar
2019	II PRIZE (Merit On Project Expo ENCURSO 2K19)	National	Nill	3	Nill	Bora Bhagath Kumar
2019	II PRIZE (ECHNOSOL)	National	Nill	3	Nill	G T V R Kalyani Bora Bhagath Kumar
2019	StateSeniorLevel participation.	National	Nill	3	Nill	P NAveen
2019	VI Place(Body Building)	National	Nill	10	17K61A0527	J.Lalith Prasad

[View File](#)

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

Students have active representation on academic and administrative bodies and committees of the Institute. Student Volunteers disseminate information from College administration and other committees to all students. They assist the teachers in planning, organizing and executing various student- oriented activities. They act as mediators between students and teachers to share, discuss and solve their problems, if any and have free access to the Principal.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SITE and the Alumni association jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. SITE alumni are currently working at various positions all over the globe and proving their mettle in all spheres of management.

5.4.2 – No. of registered Alumni:

931

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

93100

5.4.4 – Meetings/activities organized by Alumni Association :

0

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 institute practice decentralization and participative management. 1. Innovative Practices adopted for more number of placements with better packages in addition to existing mechanism Various innovative activities are taken up for improving number of placements with high packages in the academic year 2019-20 : • Advanced learner groups: With an aim of inculcating advanced coding, high in communication, improved analytical habits among top students, advanced learner groups are introduced and continuously given the challenges in all aspects of skills required to get into higher-end and blue-chip IT jobs. • Competitive Coding Labs: Competitive Coding Labs have been introduced in the institute for developing compete skills in students, that helped the students to improvise problem solving skills, getting expertise in programming languages and as well expanding creativity in coding abilities. • Students were motivated towards design thinking, innovative practices, prototyping of a model through workshops, seminars and guest lectures etc. The IIC introduced Innovation day on 15th October 2019 to display the student's innovative ideas in memory of Dr A.P.J Abdul Kalam. The innovative models developed and exhibited at various platforms helped the students in getting good placement. • The faculty member from each department started assisting training and placement officer through identifying the core industries for the respective departments and succeeded in getting new core companies to the campus for placement drive. 2. COVID-19 Counter Initiatives Safety Security along with excellence in academics and RD became the top priority during the outbreak of COVID 19. A team was constituted to find the best solutions for completing the pending syllabus in the even semester of the academic year 2019-20 and conduction of internal examinations through online mode to handle the pandemic situation. The principal constituted a committee to look after the sanitization and covid-19 preventive actions in the campus effectively under the supervision of the administrative officer. • Explored on innovative online resources for teaching and learning. • Facilitated Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching learning, Assessment and Evaluation with Online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses using Google meet, Zoom app, WebEx. • Sanitization of physical infrastructure, classrooms, corridors, washrooms, office areas, distribution of masks, maintenance of hygiene. • Robust Mentor Mentee System for Student counseling on Internships and placement activities, Parents Interaction. • Health Safety COVID specific advisories, posters, signage and instructions are displayed at important places in the campus to bring out awareness and reinforce responsible behavior • Screening and social distance protocol w.r.t temperature reading and sanitization is followed.

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	1. Introduction Choice Based Credit System (CBCS) in practice and OBE implementation 2. Open electives across

	the programs to enhance the knowledge, breadth and professional competency of the students. Flexibility to register these courses offered by various departments. Self learning electives through approved MOOC platform such as Coursera, NPTEL, etc. 3. Internship is made mandatory in the curriculum. Students who are unable to attend internship have to complete the Industry offered course in the department or can complete the domain specific global certifications offered by the industry. 4. Engineering Project for community services (EPICS) was introduced to make students to go to the society (Villages/ Hospitals/Towns, etc,.) to identify the problem and provide a feasible solution. The student(s) is encouraged to solve real life problems, in a group of students/individual. 5. Students develop the hardware models in the seventh semester apart from the Major project in the eighth semester
Industry Interaction / Collaboration	Development of skills for students by inviting experts on advanced technologies. • Skill development through Collaborative laboratories and Centers of Excellence (CoE) with various companies in india and also considering APSSDC programmes. • CoE in Composites by DST and taking inputs from various agencies for institutional growth
Examination and Evaluation	The courses are evaluated by direct and indirect methods. The evaluation is carried out by considering the performance in internal examinations (2 Assignment Examinations, 2 Mid Term Examinations, Home Assignment), in Direct method While 'course end survey' collected from the students at the end of semester is used as feedback on Course Outcomes (COs), in Indirect assessment. Term Paper, Mini Project and Major Projects are evaluated through presentations and viva, as per rubrics defined. Finally Program Outcomes (POs) and Program Specific Outcomes (PSOs) are evaluated using course outcomes, Graduate Exit survey and Stakeholder's feedback.
Research and Development	The institute has a comprehensive strategic plan for the development of RD. The strategic plan comprises of review, analysis, report, and re-

planning. • The faculty members who are pursuing Ph.D. are encouraged and motivated to complete their Ph.D. work early by allowing special casual leaves and reducing their workload. • The faculty members are financially supported by reimbursing registration fees, travel, stay, and attending conferences. • The faculty who completed their Ph.D. are recognized, increments and salary hike are given as per the rules and regulations of the institute. It resulted in a tremendous increase in the number of doctorates. • Faculty members are encouraged to publish their research work only in the quality journals with Scopus and SCI index. Incentives are given to the faculty for their publications • The publication of journal is made mandatory in the Performance Based Appraisal System. The publications are increased in 2019-20 compared with 2018-19. To enhance the grant of funded research, eminent research advisers are appointed in the institute to guide and encourage the faulty to obtain sponsor research projects from the Government/Defense/Industry/Other agencies. • Travel costs incurred for the preparation, presentation of proposals and interaction with RD organizations are reimbursed. • Incentives are provided to the faculty who received project funding • Seed money is provided for in-house RD • Faculty is sponsored to IIT's/National/ RD Institutions for training/ interaction. • It is made mandatory for all Doctorates to apply for research funding projects. Faculty are also supported by reimbursing the expenses incurred in filing the patent. • Arranging Idea churning sessions with industry experts • Financial support is extended to students for making their innovative models and participate idea exhibits at institutes of reputation. Best student projects are identified every year and honored.

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

E-governace area	Details
Examination	Autonomous Section is headed by Controller of Examinations and is assisted by a Deputy Controller and Assistant Controllers of examinations. BEE's examination Tool Software is in

	operation for pre-examination and post examinations works. Barcoding and automation process is in practice for the examination to avoid manual involvement to maintain more confidentiality All the monetary transactions (both the receipts and payments) are processed through online software.
Finance and Accounts	Tally e-CAP software is in operation for administrative work (Payment of salaries, accountability of CL's/EL's/ML's etc and Student Records). Student Admission and Support the Administrative Officer looks after the activities executed by clerical, programming, data entry and administrative staff.
Administration	The College operates in both vertical and horizontal directions. Heads of the department disburses the information by conducting the faculty meetings/ through email/ SMS to the stakeholders which include staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD. • Various reports such as Attendance Report-Department wise and faculty wise are generated • CCTV surveillance is used to monitor and security purpose • E-notice Board is used for display of messages/ circulars and notices to faculty and students.
Planning and Development	Institute has MIS operational modules various Software Tools, BEES Examination Tool, Tally accounting and e-Cap software to manage general administration, autonomous system, examinations, student attendance, continuous evaluation process and online student feedback for faculty. Library software has been used for the management of library related activities. In view of COVID-19, online classes are being arranged along with off line classes for all programs, using zoom, webex, Google meet etc. As part of ICT, digital boards in all departments, emails, WhatsApp are in practice. The institute is working under CCTV surveillance
Student Admission and Support	Student admission through web counseling. • LMS: A user friendly Learning Management System (LMS) is used by the faculty and students that supports learning and training needs •

	CMS – College Management Software is in operation with respect to student data, attendance and continuous evaluation process. Selection of courses is (open electives) also done through CMS. Online feedback system has been taken up to foster transparency by inviting innovative ideas / suggestions for improvement in various academic and administration functions. • Library software is used in the central library that provides centralized management such as book issue, book circulation history, administration, cataloging, reporting.

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
2020	Dr.G.L.Chowdary	Workshop on Speech Audio Processing	IEEE	4260
2019	P.Siva Kumar	Seminar on Promoting IEEE Extreme Programming	IEEE	2139
2020	U.Srinath	AICTE Stakeholders Workshop	AICTE,New Delhi	13528
2019	R.Naga Raju	Surprise Visit TI Internship	Texas Instruments, Banglore	2381
2020	Dr.P.Rama Krishna	Orientation workshop on MSME	MSME, New Delhi	6765
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 development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Awareness Programme on Customer R	Awareness Programme on Customer R	20/08/2019	20/08/2019	120	35

| 2020 | Awareness Programme on Ethical Hacking | Awareness Programme on Ethical Hacking | 10/02/2020 | 11/02/2020 | 98 | 29 |

<div align="center">

[View File](#)

</div>

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
Machine Learning using Python by AICTE – ELAS sponsored	1	12/04/2020	29/04/2020	18
Analysis of Solar Photovoltaic Devices by AICTE – ELAS sponsored,	1	10/04/2020	26/04/2020	17
Evolution of Solar Photovoltaic Technologies by AICTE – ELAS sponsored, Ireland	1	04/04/2020	21/04/2020	18
Active Learning Under Engineering Education	2	04/09/2019	08/09/2019	5
Scilab	3	27/04/2020	02/05/2020	6
Theory of Computation	2	18/05/2020	22/05/2020	5
Skills to improve Teaching Performance Productivity - Post Covid19	1	20/05/2020	26/05/2020	7
Moodle LMS	1	27/04/2020	02/05/2020	6
OBE Parameters , Assessment Evaluation	1	08/11/2019	08/11/2019	1

Deep Learning and Big Data Analytics	1	02/11/2019	14/11/2019	14

View File

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
223	223	192	192

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Maternity Leave 2. Accident Insurance 3.Concessional Transport Facility 4. Study leave is granted for higher education and qualification improvement 5. Half concession in transport facility for staff	1. Maternity Leave 2. Accident Insurance 3.Concessional Transport Facility	1. Subsidized food in canteen 2.Scholarships for meritorious students 3. Book Bank Facility 4. Accidental insurance for all the students is being provided

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 the mechanism of conducting both internal and external audits for all the financial activities carried out in the Institution every Year. Accounts department maintains financial accounts daily and prepares all financial statements and submits them to all statutory bodies like AICTE, UGC and State Government as and when required. The institute has both Internal and External audit system. Internal Audit: The Principal constitutes an Internal Audit Committee with three members. The audit is conducted on a Sampling basis to check the correctness of the financial transactions and statement affairs of the Institution. The Committee verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings. External Audit: The college nominated external people for auditing and this have been done for the Institution from the past years of establishment. An annual external audit is conducted, and the reports are submitted to the management. The Finance Committee ratifies these reports. Audit of funds received from Government and Non-Government research funding agencies Consultancy is duly done as per the guidelines of the funding agencies as and when required .

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
EDI, Ahmedabad	250000	To Promote Research

View File

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	Sri Vishnu College of Engineering for Women,Bhimavaram	Yes	Appointed By Principal
Administrative	Yes	Sunkavalli Co., Tadepalligudem	Yes	Appointed By Principal

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

1. Annual informal meetings to identify the issues related to students 2.Regular meetings with parents for improving regularity and performance of students 3. Identification of problems and counseling of students

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

1. Circuit design and analysis using advanced simulation tools 2. One Week Training Program on Office Automation 3. Workshop on OBE and NBA 4. Guest Lecture on Art of Thinking

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

1. To handle the pandemic situation, pending syllabus in the even semester of academic year 2019-20 is completed. 2. Provision of free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during the lockdown period is initiated by faculty/students. 3. Provision of precautions/measures in the campus against COVID-19 unlock was initiated. 3. Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan scheme under the mentorship of VRSEC,Vijayawada.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Awareness Programme on OBE	18/07/2019	18/07/2019	18/07/2019	98
2020	Programme on Accrediting Higher Educational Institutes	10/02/2020	10/02/2020	15/02/2020	120
[View File](#)					

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 Health	02/08/2019	03/08/2019	51	11

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
• Collected and analyzed drinking water quality for four districts • Development of magnetic nanomaterials for waste water treatment. • Developing techniques and energy materials to increase the efficiency of solar cells by using green synthesis. • Analyzed impact of pesticides on soil fertility. • Theoretical prediction of novel Ni(I) catalysis for carbon dioxide conversion and dihydrogen generation. • Nano porous materials development for electrochemical sensor, super capacitors and removal of toxic metals and dyes. • Construction of diatoms solar panels for bio-fuel production • Process of Waste Management: Minimum possible amount of chemicals are used during laboratory training practices using Green chemicals. The waste chemicals are collected in drums and distilled to maximum extent. The minimum possible amounts of generated wastes are disposed in earth pit

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	21
Rest Rooms	Yes	450
Scribes for examination	Yes	7
Provision for lift	Yes	1
Physical facilities	Yes	10
Any other similar facility	Yes	4

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	5	5	16/10/2019	3	Workshops on English Communication Skill for the local	To bring them to the main str	100

girls who have come from rural back ground	
No file uploaded.	

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Human Values	05/06/2019	Human value is defined as a principle that promotes well-being or prevents harm. The various factors responsible for evolving human values are religious leaders, gurus or saviors teachings and practices, need and judgment of fulfilling individuals need in society. Human values can be assured of a happy and harmonious human society. At SITE, we cultivate and inculcate these values in the student and staff throughteaching and conducting the activities. The human values are listed below. Types of Values: The six core human values are: 1. Right conduct 2. Peace 3. Truth 4. Love 5. Nonviolence 6. Ethics 1. Right Conduct: Encompasses the following values such as: a) Self - Help Skills: Care of possessions, diet, hygiene, modesty, posture, self- reliance, andtidy appearance b) Social Skills: Good behavior, good manners, good relationships, helpfulness, no wastage and good environment c) Ethical Skills: Code of conduct, courage, dependability, duty, efficiency, ingenuity,initiative, perseverance, punctuality,

		resourcefulness, respect for all, and responsibility. d) Ownership: Ownership of the work
Professional Ethics	11/12/2019	Integrity is defined as the unity of thought, word and deed (honesty) and open mindedness. It includes the capacity to communicate the factual information so that others can make well-informed decisions. It yields the person's "peace of mind", and hence adds strength and consistency in character, decisions, and actions. This paves way to one's success. It is one of the self-direction virtues. It enthuse people not only to execute a job well but to achieve excellencein performance. It helps them to own the responsibility and earn self-respect and recognition by doing the job. Integrity is the quality of being honest and having strong moral principles and moral uprightness. It is generally a personal choice to uphold oneself to consistently moral and ethical standards.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Active Citizenship Programme	06/02/2019	08/02/2019	131
Awareness Programme on Anti Ragging	20/07/2019	20/07/2019	143
View File			

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

The college has identified priority areas for making the campuses eco-friendly. Energy Conservation All the compact fluorescent lamps (CFLs), mercury and sodium vapour (250 watt 125 watt) street lights have been changed to energy efficient Light Emitting Diodes (LEDs) bulbs and tube sets (40 watts) in the campuses in the campuses. The faculty members, administrative staff and

students are sensitized to use electric power judiciously. Provisions of master switch to all the classrooms to enable to switch off all fans/lights at the end of class work have been made in the college

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The institute has implemented many of the best practices for the development of very good infrastructure and learning resources. The following are the best practices followed by the college in respect to development of physical facilities, library, ICT and other facilities to create learning ambience. Best practices related to physical facilities and its maintenance 1. Development of infrastructural facilities commensurate to the student strength as per AICTE norms. 2. Making available all infrastructural facilities required for all round development of the student. 3. Optimum utilization of resources through proper scheduling. 4. All infrastructure facilities are created based on the quality than on cost 5. The laboratories which can be shared are centrally located and managed 6. The equipment purchased shall be always of latest make. 7. The software purchased will be of latest version. 8. Maintain the infrastructure as per preventive maintenance schedule. 9. Replace the outdated equipment through MODROB Schemes. 10. Undertake repairs to computer system within turnaround time of 24 hours 11. Provide 100 backup for uninterrupted operations. 12. Provide backup supply through different capacities of generators based on distributed power supply. 13. Adapt quality control on the input materials to canteen and hostels 14. Always maintain safety certificates up to date. 15. Make available mineral water for drinking from a centralized water making and distribution system 16. Efficient transport route learning to cover less distance with more occupancy The following are the quality sustenance and enhancement measures undertaken by the college in relation to Curricular Aspects. Curricular Design and Development 1. Washington accord is used as the basis for designing the programs. 2. Program Objectives, Competencies expected out of the programs are Pre-Identified 3. The course composition model as recommended by Central committee on academic reforms constituted by the AICTE has been considered for our course design and development. 4. Lab elements are blended into theory courses to ensure that theory and practice go together. A minimum sixty percent of the courses have Lab component. 5. The precedence that exits among the courses is considered while selecting courses and positioning the same across the semester. 6. Discipline Electives are offered in streams to make students specialize in their chosen area. 7. Open Electives are offered for implementing inter-discipline approach. 8. Choice of electives in some other discipline by the students to achieve a Minor in a different discipline. 9. Curriculum update based on the feedback from the stake holders. 10. Regular update of the curriculum based on the emerging needs and technologies. Academic Flexibility 11. A hybrid of semester and choice based credit system is adopted. 12. In built flexibility for the student to register for the courses according to their own convenience and specialization. Feedback from stakeholders 13. The college takes regular feedback from different stakeholders like students, parents, alumni, teachers, employers, etc., 14. The curriculum design and development is mostly based on the feedback and the emerging needs of the society. Curriculum Update 15. The Boards of studies of different subjects meet at regular intervals for updating the curriculum to suit the changing needs of the society as well as to cope with the knowledge expansion. 16. The Quality Assurance Cell reviews all reports of the Academic Committees and suggests necessary action. 17. The major change in the curriculum will be made on the basis of student feedback and industry requirements as and when it is warranted. 18. The minor changes will be made in the curriculum basing on the regular changes in the respective disciplines. The same will be delivered to

the students in the form of handouts. The college has implemented the following innovative/ best practices in respect of student admission, student profile, catering to diverse needs, teaching learning process, and teacher quality. Best Practices related to student admissions 1. Admissions based on nationally reputed competitive examination test EAMCET and ECET. 2. A complete transparent process of admissions through information provided right through the prospectus to the WEB posting. 3. Continuous counseling of the students seeking admission into SITE 4. The admission taking into account women balancing, catering to the socially and economically weaker sections, considering the specialized category of students who specialize sports, games, athletes and cultural, the defense and social welfare category that include NCC,NSS, YRC 5. The admissions considering the students across the cross sections of the country and internationally. Best Practices related to diverse needs 1. The student need assessment is made before the commencement of the class work 2. Bridge courses are conducted for students as per the assessment made above. 3. Foe slow learners additional classes and tutorials are conducted beyond the working hours. Best Practices related to Teaching and Learning process 1. Competency based syllabus design 2. Courses distributed to various semesters as per precedence scheme. 3. Teaching emerging technologies through electives in specialization streams 4. Multi-disciplinary approach through open electives. 5. Faculty allotment as per the maturity of the students(Faculty having more than 5 years experience deputed to 1st years and faculty having more than 3 years experience to 2nd years of UG programs) 6. Course based registrations 7. Under loading of the courses to the weaker students 8. Usage of Active Learning Methods for course delivery. 9. Conducting of weak student classes based on continuous assessment 10. ICT based course delivery 11. Attaching Assistant Professors to Professors for training and development and excellent delivery of the courses by the Assistant Professors. 12. Course coordination when the same course is to be delivered to multiple sections. 13. Practice of emerging technologies through mini projects 14. Tool based, skill based training 15. Recorded video based teaching 16. Simulation based teaching Best Innovation/Practices related to Teacher quality 1. Maintaining teacher student ratio less than 1:15 2. Maintaining a cadre ratio 1:2:6 3. Attract talented and experienced faculty preferably with Ph.D qualification 4. Regular performance monitoring of the faculty and developing the faculty by various means that include subject based workshops, orientation programs, teacher training through seminars and conference programs, technology based workshops etc., 5. Section of the faculty by duly constituted selection committee 6. The college adopted the policy of generalization in teaching i.e., every faculty member has to teach different subjects of the same discipline over a period of time. 7. Recognizing and rewarding the faculty for their performance and innovation in teaching and learning. 8. Encouraging faculty as resource persons in the International conferences and workshops. 9. Training faculty in the use of ICT. Extensively in teaching learning process. Best Innovation/Practices related to Evaluation 1. Transparent examination system 2. Computerization of entire examination system 3. Results declaration within 15 days of conducting the comprehensive examination and issue of grade certificates within 3 weeks from the date of conducting of the comprehensive examination.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.sasi.ac.in/iqac/iqac/

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

An Atmosphere that facilitates personal commitment to the educational success

of students in an environment that values multiplicity and society. SITE is very keen at facilitating personal commitment to the educational success of students and thus the Academic committee consisting of Principal / Director, senior faculty members and Examination Coordinator prepares the academic calendar well in advance before the commencement of the session/semester. The faculty members before the commencement of semester prepares the lesson plan, and make it available to the students. So many efforts are being made for the past few years to change the Teaching – Learning environment into activity based learning. Following are the methods adopted to transform the academic environment: Changing the teaching methodology by encouraging the faculty to use power point presentation where ever required. Extensive use of online – content and other Video lectures to support the Class – room teaching. Students are encouraged to present poster and oral paper presentations. Counseling system: Every Faculty member is allotted 15-20 students to whom one acts as a counselor. The counselor identifies the academic and personal problems of his/her ward. The wards are encouraged to participate both in curricular and extra- curricular activities. Each department arranges guest lecturers periodically addressed by the eminent persons from Industry, Academic and Research Institutions. Eminent experts of National reputed people are invited from academic /organization /industries for seminar, In addition to the classroom interactions, following are the other methods of learning experiences provided to the students: Project work Short term Industrial visit o Internships. Oral presentation Seminars/ Symposiums/ Workshops Paper presentations/ Group discussions Providing access to e-journals and e-books by use of ICT in delivering and learning process Emphasis is paid to obtain feedback from parents, students, faculty members and alumni through informal contact to obtain information about qualitative changes which are required. Feedback System – Students give feedback about the faculty at the end of each session or semester. Feedback is taken from the parents of the wards. Feedback is also taken from alumni The students play major role in the events like Annual day, Sports day etc., which are being organized by the college and inculcate the qualities of co-operation, co-ordination and team work. Personality development programs and seminars are being conducted from the first year to· improve communication skills soft skills of the students. Social Responsibility Activities like Go Green Activity through plantation,· Blood Donation· Visiting Hospitals· Interacting with patients and distribution of nutritious food, plantation and visiting nearby villages and helping them according to their requirements. Achievement: Improved students understanding in domain knowledge. Improved results and pass percentage. Reduced backlogs and detention. Improved placements and opting for higher studies.

Provide the weblink of the institution
http://www.sasi.ac.in

8.Future Plans of Actions for Next Academic Year

The College IQAC has identified the broad objectives which the College should strive to achieve during this period, which are enumerated as below: • Plastic free Campus. • Upgradation of College website • Increase in quality research publications. • S (Sewage Treatment Plant) to treat the liquid waste generated and reuse of the treated waste for plantation and greenery in the campus to maintain zero disc • Improvement in Library resources utilization. • Hostel accommodation to students and the Management, Principal aspire to provide residence to all students, both girls and boys with adequate facilities. So that, the students can carry out their academic activities very effectively.