



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	ST. ANN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. P RAVI KUMAR
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08594247500
Mobile no.	9848510999
Registered Email	sacetchirala@gmail.com
Alternate Email	info@sacet.ac.in
Address	Nayunipalli (V), Vetapalem (M), CHIRALA - 523187, PRAKASAM
City/Town	CHIRALA, PRAKASAM DISTRICT
State/UT	Andhra Pradesh
Pincode	523187

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr. C.Hari Kishan			
Phone no/Alternate Phone no.		08594247500			
Mobile no.		9848084260			
Registered Email		sacetchirala@gmail.com			
Alternate Email		info@sacet.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://sacet.ac.in/sacet/NAAC/AOAR_2018-19.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://sacet.ac.in/sacet/index.html			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.07	2011	16-Sep-2011	15-Sep-2016
2	A	3.02	2016	02-Dec-2016	01-Dec-2021
6. Date of Establishment of IQAC			17-Apr-2012		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

IQAC Meeting	20-Jan-2020 1	17
Academic Audit	26-Oct-2020 6	9
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8. Provide the list of funds 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
Electrical and Electronics Engineering	SHORT TERM TRAINING PROGRAMME (STTP)	AICTE	2019 07	292000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

1

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)

Academic audit in all departments MOUs with reputed organizations Seminars Guest lectures Workshops

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

Plan of Action	Achievements/Outcomes
To offer Value added courses	Programs were conducted on latest

	technologies for the benefit of the students.
NBA Accreditation of B.Tech(,ECE,CSE,ME) programmes.	NBA accredited B.Tech (ECE) and B.Tech (CSE) for three years up to 30-06-2023.
To improve technical activities	Organised national level competition "Vaibhav 2019" for students
Communication with Parents	<ul style="list-style-type: none"> Student particulars like Percentage of attendance, Mid- exam marks and Backlogs have been sent to parents. Percentage of student attendance is improved
To Improve Co-Curricular Activities	Workshops, seminars, industrial visits, soft skill development programmes, communication skill development programmes organized regularly.
To Monitor Teaching Learning process	Academic Audit is done at the end of every year.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	16-Apr-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	28-Feb-2020
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	14-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The Management Information System is being used in the College with the following modules. 1. Student Attendance 2. Student Academic Performance 3. Library Details 4. Student Feedback 5. Transport 6. Hostel and 7. Miscellaneous
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Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Department academic calendar of events is prepared well in advance before the commencement of the semester based on college calendar of events. It consists of the activities planned for the semester which includes internal test dates, conduct of events like organizing guest lectures, industrial visits, seminars etc. Subject allotment is done well in advance for the staff to prepare lesson plans, course plan, soft and hard copies of the lecture notes. As per the university guidelines experiments are conducted. The faculty adopts various innovative Teaching & Learning methodologies to offer best learning environment for students. These methodologies include traditional black board teaching, presentations and video lectures (NPTEL). To adopt creative thinking assignments are given to students. Invited talks and seminars on the current trends are done regularly by the industry persons. Bridge courses and remedial classes are conducted for the benefit of slow learners. Industrial visits are conducted to reduce the gap between industry and institute. Workshops, seminars and guest lectures are organized to help the students to understand concepts beyond curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Not Applicable	Nil	Nil	Nil	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Not Applicable	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nil	Not Applicable	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
Introduction to SAP	24/07/2019	138
AngularJS	13/08/2019	153

Bootcap webathon	16/09/2019	111
Red Hat Technologies Opportunitites	27/09/2019	113
Cloud computing	01/10/2019	110
Game Theory	29/11/2019	127
Data Mining Tools	10/12/2019	141
Cyber security web development	19/12/2019	205
Artificial intelligence and Machine Learning	06/01/2020	232
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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	Thermal power Plant familiarisation at APGENCO Dr NTTPS, Ibrahimpatnam, Vijayawada	6
BTech	Electric Loco shed, Vijayawada	4
BTech	Training on Design & Analysis (Ansys and Hyper mesh), UCAN TECHNOLOGIES, Bangaluru	115
BTech	Industrial Internships - ECE	51
BTech	Internship programs - CSE	31
BTech	Summer Internship - MBA	61
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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
At the end of the first month of each semester, feedback is collected from students by the Head of the Department. The collected feedback is summarized and the consolidated report is sent to the Principal. The faculty with average and poor feedback are counseled by the Principal in the presence of HOD. After the completion of I mid-exam, once again the online feedback is collected. The

collected feedback is summarized and a consolidated report is prepared by the feedback coordinator and submitted to HOD. Based on the report of HOD, the Principal will take the necessary action to solve the issues. The feedback from outgoing students also is taken and a consolidation report is prepared by the feedback coordinator. The report is sent to the Principal and Management. The points and suggestions given by the outgoing students are taken into consideration and efforts are made to implement the points suggested by the students. For the effective implementation of the Academic system, the following feedback methods are adopted.

- Direct Feedback from Students: Each Section of the department has a Class Committee consisting of students, class teacher, and HOD. Students are invited to express their views on various subjects, pedagogical methods, and the academic environment of the department.
- Interactive Feedback: Principal and HOD interact with students directly in the absence of teachers for unbiased feedback covering the performance of teachers, coverage of syllabus, etc.
- Online Feedback: The consolidated feedback of all subjects is collected online and analyzed by HOD.

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
MCA	Nill	66	41	41
MBA	Nill	120	79	79
Mtech	"Transportation Engineering Power Systems Thermal Engineering Embedded Systems Computer Science & Engineering"	120	52	52
BTech	"Civil Engineering Electrical & Electronics Engineering Mechanical Engineering Electronics and Communication Engineering Computre Science and Engineering "	822	630	630
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
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	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2019	2728	381	157	40	Nil

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
197	168	Nil	45	8	Nil

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

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

The college has well established mentoring system for all round development of students. From the date of joining the institution, the students are monitored on regular basis to excel in Academic Curricular, Co-curricular and Extra-Curricular activities. A group of 15 to 20 students are allotted a faculty counsellor to personally monitor all-round development of the students. The counsellors inform the attendance details and academic performance of the students to their parents, weekly once. Also, faculty members counsel the students monthly once and guide them on various academic and curricular aspects. The progress report of the students is sent to the parents through letters after each mid exam and after the announcement of University results. Aptitude training and GATE training are provided by the department for the professional development of students. Various co-curricular and extracurricular activities are conducted every week under Department's students Association and Professional association Chapters.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3109	197	1:16

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
197	197	Nil	27	32

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
Nil	Nil	Nil	Nil

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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-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
BTech	FE	I/I	31/01/2020	23/06/2020
BTech	CE, EEE, ME, ECE, CSE	I/II	12/11/2019	02/01/2020
BTech	CE, EEE, ME, ECE, CSE	I/III	12/11/2019	10/01/2020
BTech	CE, EEE, ME, ECE, CSE	I/IV	12/11/2019	03/12/2019
BTech	CE, EEE, ME, ECE, CSE	II/IV	16/09/2020	10/10/2020
BTech	CE, EEE, ME, ECE, CSE	II/III	09/11/2020	31/12/2020
MBA	MBA	I/II	02/12/2019	16/03/2020
MBA	MBA	I/I	17/02/2020	19/08/2020
MCA	MCA	V	04/11/2019	18/01/2020
MCA	MCA	III	27/11/2019	04/02/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institution has taken efforts to achieve all-round development of students and practices the system of Continuous Internal Evaluation to assess the skills of the students. We are affiliated to University of JNTUK and we follow the evaluation pattern framed by the University. As per the University guidelines, the Institution conducts two Tests (off-line online) to evaluate the students for Internal Assessments. The University of JNTUK has introduced Choice Based Grading System which includes 25 marks for formative evaluation and 75 marks for summative evaluation. The formative method includes marks for internal exams (20 marks) and attendance, behaviour, leadership, assignments and active participation in the classroom (5 marks). For summative evaluation we have a defined pattern framed by the University. Results are analysed based on the mean and median of marks after the evaluation of any sessional examination. Monitoring the progress of each student through 'counseling sheets' aiming towards improving the student's performance with single and double backlogs. Slow learners are given additional coaching for the subsequent examinations. We Send Progress reports and SMS alerts to the parents about their wards performance. Apart from academics, the Institution encourages the students to participate in various extracurricular and co-curricular activities conducted by different committees, clubs and forums of the college. Through Continuous Internal Evaluation System, an effort is made by the Institution to contribute socially responsible citizens to the society.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Institution follows the academic calendar as per the University guidelines. As an affiliated college, the JNTUK University calendar is adhered to. In addition, an Academic Calendar is prepared by the college in the beginning of academic year with details of all the curricular and extracurricular activities to be conducted by the college, both at the faculty and student level. It is made available on the college website as well as notice board so the students can understand our semester plan online and a copy of it is handed to the H.O.D.'s and Coordinators to plan their activities. A part from the Academic Calendar a Department wise Activity Schedule for smooth functioning is also

prepared. This ensures curriculum enrichment through related activities like expert lectures, extension activities and industry-academia interaction and the like. For the current academic session academic calendar was prepared and followed for conduct of examinations and other activities. Examinations Calendar: Examination Committee prepares examination calendar as per University Circular. As soon as the University announces the examination schedule our examination committee announces the date and time. Since the University of JNTUK conducted the semester end examinations for all the courses in 2018-19, the college was obliged to follow these dates for The Institution follows the academic calendar as per the University guidelines. As an affiliated college, the JNTUK University calendar is adhered to. In addition, an Academic Calendar is prepared by the college in the beginning of academic year with details of all the curricular and extracurricular activities to be conducted by the college, both at the faculty and student level. It is made available on the college website as well as notice board so the students can understand our semester plan online and a copy of it is handed to the H.O.D.'s and Coordinators to plan their activities. A part from the Academic Calendar a Department wise Activity Schedule for smooth functioning is also prepared. This ensures curriculum enrichment through related activities like expert lectures, extension activities and industry-academia interaction and the like. For the current academic session academic calendar was prepared and followed for conduct of examinations and other activities. Examinations Calendar: Examination Committee prepares examination calendar as per University Circular. As soon as the University announces the examination schedule our examination committee announces the date and time. Since the University of JNTUK conducted the semester end examinations for all the courses in 2018-19, the college was obliged to follow these dates for examinations. An IQAC Calendar is also prepared which details out activities towards quality sustenance and enhancement in the college.

2.6 – Student Performance and Learning Outcomes

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

<http://sacet.ac.in/sacet/index.html>

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
CE	BTech	Civil Engineering	60	34	56.67
EEE	BTech	Electrical & Electronics Engineering	109	69	63.3
ME	BTech	Mechanical Engineering	115	66	57.39
ECE	BTech	Electronics & Communication Engineering	239	163	68.2
CSE	BTech	Computer	179	125	69.83

		Science & Engineering			
TE	Mtech	Thermal Engineering	8	4	50
TRE	Mtech	Transportation Engineering	24	8	33.33
ES	Mtech	Embedded Systems	15	4	26.7
PS	Mtech	Power Systems	8	4	50
CSE	Mtech	Computer Science & Engineering	11	4	36.36
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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://sacet.ac.in/sacet/NAAC/SSS_2019_20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Null	Null	Nil	Null	Null
No file uploaded.				

3.2 – Innovation Ecosystem

3.2.1 – 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
Regulator Circuits Designing IC's	ECE	21/08/2019
Testing Of Logic Circuits	ECE	28/08/2019
Spread spectrum Modulation Technique	ECE	05/09/2019
Multistage Amplifiers	ECE	12/09/2019
How radars are used in defence	ECE	16/09/2019
perform operations related to digital electronics ion real time applications	ECE	24/09/2019
Rayleigh scattering, Brillouin scattering, mip scattering, raman scattering	ECE	24/09/2019

The basics of video processing and implementation using MATLAB	ECE	30/09/2019
MIMO Antenna Systems	ECE	03/10/2019

3.2.2 – 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	Nil	Nil
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3.2.3 – 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
Nil	Nil	Nil	Nil	Nil	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NOT APPLICABLE	Nil

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	EEE	8	Nil
International	ME	5	2
International	ECE	15	Nil
International	CSE	19	6.1
International	MCA	20	Nil
National	MBA	2	5
International	MBA	1	5
National	HS	6	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	1
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3.3.5 – 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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of
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Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
A Compact 3.1- 18.8 GHz Triple Band Notched UWB Antenna for Portable UWB Applications	DVN Koteswara Rao	Inventive Research Organization Journal on Sustainable Wireless Systems	2020	0	Research Scholar, Department of ECE, JNTU College of Engineering, Anantapur, Andhra Pradesh, 515002, India.	5
A Novel Compact Tri Band Notched UWB Monopole Antenna	DVN Koteswara Rao	Progressing Electromagnetics Research	2020	89	Research Scholar, Department of ECE, JNTU College of Engineering, Anantapur, Andhra Pradesh, 515002, India.	1
A novel CNN based Alzheimer's disease classification using hybrid enhanced ICA segmented gray matter of MRI	Shaik Basheera	Computerized Medical Imaging and Graphics	2020	76	Research Scholar, Department of ECE, Acharya nagarjuna university College of Engineering and Technology, ANU, Guntur, Andhra Pradesh, 522510, India.	7
Improvement of Network Utility and Energy Efficiency in DSME based Internet of Things Networks	Dr. B.Kiran Kumar	International Journal IJEAT	2020	0	Department of ECE, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187,	Nil

					India	
Design of a dual-band patch antenna using characteristic mode analysis for bluetooth and wimax applications	Dr.K. Jagadeesh Babu	International Journal on Telecommunications and Radio Engineering	2020	15	Department of ECE, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India	Nil
Design of a key shaped UWB antenna and Analysis using characteristic modes	Dr.K. Jagadeesh Babu	International Journal on Telecommunications and Radio Engineering	2020	15	Department of ECE, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India	1
Physical and thermal behaviour of areca and coconut shell powder reinforced epoxy composites	G Kishore Chowdari, DVV Krishna Prasad, SBR Devireddy	Materials Today: Proceedings	2020	3	Department of Mechanical Engineering, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India	3
A novel mathematical correlation for thermal conductivity of hybrid composites reinforced with natural fibers	V Vijaya Bhaskar, K Srinivas, SBR Devireddy	Materials Today: Proceedings	2020	1	Department of Mechanical Engineering, St. Ann's College of Engineering and Technology, Chirala, Andhra	1

					Pradesh 523187, India	
Mobility in Wireless Sensor Networks, Lecture Notes on Data Engin eering and Communicat ion Techno logies (LNDECT)	Dr D Rajendra Prasad	Springer	2019	0	Department of ECE, St. Ann's College of Engineerin g and Tech nology, Chirala, Andhra Pradesh 523187, India	Nil
A Novel Channel Access Mechanism for IEEE 802.15.4e to Promote Internet of Things	Dr. B.Kiran Kumar	Internat ional journal on IJITEE	2019	0	Department of ECE, St. Ann's College of Engineerin g and Tech nology, Chirala, Andhra Pradesh 523187, India	Nil
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3.3.6 – 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
Fast Encryption for Multi-Hop Wireless Sensor Networks using Gaussian Transposition cipher	Dr. Amarthaluri Thirupathai	proceedings of International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	Nil	Nil	Associate professor, CSE, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India
Physical and thermal behaviour of areca and	G Kishore Chowdari, DVV Krishna Prasad,	Materials Today: Proceedings	2020	1	1	Department of Mechanical Engineering, St.

coconut shell powder reinforced epoxy composites	SBR Devireddy					Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India
A novel mathematical correlation for thermal conductivity of hybrid composites reinforced with natural fibers	V Vijaya Bhaskar, K Srinivas, SBR Devireddy	Materials Today: Proceedings	2020	1	1	Department of Mechanical Engineering, St. Ann's College of Engineering and Technology, Chirala, Andhra Pradesh 523187, India
Object-based Image Classification using Ant Colony Optimization and Fuzzy Logic	Dr.K.Subba Rao	International Journal of Innovative Technology and Exploring Engineering. Vol 9, Issue 2, Dec 2019. ISSN: 2278-3075.	2019	1	10	Associate Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
Tourist Recommender System using Hybrid Filtering International Conference	Mrs.M.Lakshmi Bai	Information Systems and Computer Networks (ISCON-2019). November, 2019, Sponsored by IEEE, UP section (India).	2019	Nil	Nil	Assistant Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
Classification of	Dr. A.Veeraraswamy	Communication,	2019	1	1	Associate

high Dimensional data using Filtration Attribute Evaluation Feature Selection Method of Data Mining		Computer Technologies and Optimization Techniques (ICECCOT - 2019) International Journal of Engineering and Advanced Technology, Vol 8, Issue 6, Aug, 2019, pp: 2990-2995. Electrical, Electronics,				Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
Retrieval of Context and Content based images using Enhanced crowd Search Optimization	Mr.T.Y.S rinivasa Rao	International Journal of Engineering and Advanced Technology, Vol 8, Issue 6, Aug, 2019, pp: 2990-2995. Electrical, Electronics,	2019	Nil	Nil	Associate Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
Classification and Retrieval of Images Based on Extensive Context and Content Feature Set	Mr.T.Y.S rinivasa Rao	Recent Patents on Computer Science, Vol 12, Issue 3, pp: 162-170.	2019	Nil	2	Associate Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
Common Metrics for Object-Oriented Software Maintainability Model	Dr.D.N.V .Syma Kumar	International Journal of Scientific	2019	Nil	Nil	Associate Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
		Internat	2019	Nil	Nil	

Emulating Human Biases and Bounded Rationality and Advances in AI/ML	Dr.M.Ratna Raju	International Journal of Engineering			Associate Professor, Dept. of CSE, St. Anns College of Engineering and Technology, Chirala, Andhra Pradesh, India
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	133	39	Nil	Nil
Presented papers	10	6	Nil	Nil
Resource persons	Nil	Nil	Nil	Nil
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3.4 – Extension Activities

3.4.1 – 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
One-week special camp	Challareddypalem panchayath	7	65
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3.4.2 – 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
Nil	Nil	Nil	Nil
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	College NSS unit	International Yoga Day Celebrations	2	25
NSS	College NSS unit	Vanam-Manam	3	17

NSS	College NSS unit	Construction of Rainwater absorption pit	5	36
NSS	College NSS unit	NSS day celebrations	2	10
NSS	College NSS unit	88th Birth Anniversary celebrations of Dr.A.P.J.Abdul kalam	3	40
NSS	College NSS unit	National Unity Day celebrations	2	25
NSS	College NSS unit	National Constitution Day celebrations	2	30
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	Nil
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3.5.2 – 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
Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Nil	Nil	Nil	Nil
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
85	82.04

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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 partially)	Version	Year of automation
IDENIZEN SOLUTIONS PVT LTD BANGALORE	Partially	SMART CAMPUS	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	44390	9388881	1880	648600	46270	10037481
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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
Nil	Nil	Nil	Nil
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	872	13	200	1	5	1	8	200	0

Added	150	0	0	0	0	0	0	0	0
Total	1022	13	200	1	5	1	8	200	0

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

200 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	Nil

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
20	19.86	61	60.04

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, provide link)

The governing body, an organ of the managing committee prescribes goals and direction to the college. The principal manages the affairs of the college under the direction of the governing body with the help of Heads of various Departments and sections. The procedures and policies for maintaining and utilizing physical, academic and support facilities, laboratory, library, sports complex, computers, classrooms etc. are laid out and implemented as per the decisions taken in the management committee meeting and governing body meeting.

<http://sacet.ac.in/sacet/index.html>

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	-	0	0
Financial Support from Other Sources			
a) National	Tuition Fee Reimbursement	3109	170449500
b) International	-	Nil	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Remedial Classes for ECE	05/03/2020	174	Department Staff

Remedial Classes for CSE	22/01/2020	40	Department Staff
Remedial Classes for ECE	05/10/2019	163	Department Staff
Remedial classes for CE	19/08/2019	45	Department Staff
Remedial Classes for CSE	17/08/2019	24	Department Staff
Remedial Classes for ME	03/08/2019	163	Department Staff

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	TCS	300	10	45	27
2019	Wipro	300	7	36	16
2019	CRT	340	12	130	61
2020	Infosys	205	12	24	21
2020	CTS	305	9	32	25
2020	Tech Mahindra	105	5	12	7

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Alembic Pharmaceuticals Ltd	30	4	Cognizant Technology Solutions	314	25

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

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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	higher education				
2020	1	B.Tech	CSE	SRM University	M.Tech (Artificial Intelligence Machine Learning)
2020	2	B.Tech	EEE	1. VR Siddartha Engineering College, Vijayawada 2. NIT, Calicut	1. M.Tech (Power Electronics) 2. M.Tech (Power Electronics)
2020	3	B.Tech	ME	1. JNTU, Anantapur 2. JNTU, Anantapur 3. JNTU, Anantapur	1. Advanced Manufactured Systems 2. Advanced Manufactured Systems 3. Advanced Manufactured Systems
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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	2
Any Other	6
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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
Eenadu Cricket Champions Trophy	National	200
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winners	National	1	Nil	15F01A0347	K Narasimha
2019	Winners	National	1	Nil	16F01A0347	K Basavaiah
2019	Winners	National	1	Nil	17F01A0371	R Zedson
2019	Winners	National	1	Nil	18F01A0381	K Venkatesh

2019	Winners	National	1	Nil	15F01A0396	Sk Siraj
2019	Winners	National	1	Nil	16F05A0414	J.A.Chandra Reddy
2019	Winners	National	1	Nil	17F05A0110	Sh.Rahmat Basha
2019	Winners	National	1	Nil	15F01A04E4	N.Naveen
2019	Winners	National	1	Nil	15F01A0448	D.Ajay Kumar
2019	Winners	National	1	Nil	16F01A0110	D.Ashok

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

Every class has one representative each from boys and girls. Any problems they are facing related to academic administrative issues are brought to the notice of their class teacher for resolving. If the problem is not resolved at the class teacher level, it is brought to the notice of the HOD. In addition, Grievance Redress cells are available separately for boys and girls for resolving their problems. There is also a separate cell for Redressal of any cases of Sexual Harassment against women. There is representation of a senior student in IQAC.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through non-financial means. St.ANN'S college of engineering and technology has a registered Alumni Association under the Societies Registration Act with Society Number: 16 of 2009. The Alumni are the key brand ambassadors of the institution. The institution aims and strives to create and maintain a strong and positive relationship thereby fostering a lifelong bond between the institute and its alumni. This has been largely benefiting socially, academically and professionally to continuously provide for better inputs and value to the students' overall development. The alumni participate and contribute to the student development of the college in the following ways: The notable alumni share their professional experience with students and motivating them through various activities like delivering guest lectures and workshops on carrier prospects and current scenarios of the industry. Thus, the alumni help in personality development, career advising, Industry Institute Interaction, sponsorship, mentoring and providing placement assistance. The alumni also encourage students to be entrepreneurial and innovative by sharing their experiences. Thus, the alumni share with the students, their own field experience. This help the students to be abreast with current industry requirement and boost their confidence and mould themselves. The Alumni help in the conduct of value added and short-term courses The alumni give feedback on the curriculum, the recent trends, the job opportunities in a specific industry, and corporate requirements.

5.4.2 – No. of enrolled Alumni:

270

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting conducted date:29-02-2020 Activities delivered guest lectures

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 decentralization and participative management in the institution is given below: Heads of the Departments for Departments Manager - Administration of the Office Accounts Examination Cell - coordinate and conduct of internal and external examinations and related activities Training Placement Cell - responsibility for training programmes, placements and career guidance etc., AntiRagging Committee - to prevent ragging in the campus Grievance Redressal Cell for Boys Grievance Redressal Cell for Girls.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The admission of students is conducted as per the norms prescribed by the A.P. state Govt
Industry Interaction / Collaboration	Experts from industry are members in the academic committees of the departments. MOUs are signed with the industries for the mutual benefits.
Human Resource Management	The college always maintains AICTE norms with respect to faculty members and nonteaching staff. As and when there are vacancies, recruitment is done to maintain the required ratios of faculty members and nonteaching staff.
Library, ICT and Physical Infrastructure / Instrumentation	The departments are provided with department library in addition to the main library facility, where students can read the books after the college timings. The class rooms are provided with LCD projector facility. Also, seminar hall is provided with LCD projector for the demonstration of videos and for the discussion on content beyond syllabus.
Research and Development	RD Cell is established in the Engineering departments to promote research activities among faculty and students. The faculty members and

	students regularly publish research papers in national and international journals and present papers in national and international conferences
Examination and Evaluation	The Examination and Evaluation is conducted as per the University regulations
Teaching and Learning	The Teaching and Learning process is conducted as per the University regulations. However, the following measures are taken for the benefit of students. Tutorial/Remedial classes are conducted for the slow learners based on their performance in external exams and after the first internals. Students are motivated regularly for better performance in the academics and for higher studies and university ranks. Technical quizzes are conducted for the students. Industrial visits are conducted at least once a year to reduce the gap between industry and institute. Workshops are organized to help the students to understand concepts beyond curriculum. Identification of bright and weak students is done and the weak students are motivated to attend remedial classes. Bright students are encouraged to attend more workshops, conferences and contests GATE classes are conducted for the GATE aspirants.
Curriculum Development	The curriculum is prescribed by affiliating University. There is no freedom to change the curriculum. The departments have freedom of choosing elective subjects from the list given by the University. However, the curriculum gaps are identified by the academic committee and required new topics are delivered by conducting guest lectures and workshops.

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

E-governance area	Details
Nil	Nil

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr K	IEEE	IEEE	25000

	Jagadeesh Babu	TENCON-2019 Conference		
2019	Dr K Jagadeesh Babu	IEEE Membership	IEEE	8000
2019	Mr. T.Krishna Kishore	STTP on "Aligning Curriculum Design, Development, Delivery and Assessment in Context of Outcome Based Education"	GMR Institute of Technology, Srikakulam, Andhra Pradesh.	2000
2019	Dr.P.Harini	FDP on "Entrepreneurship Development"	National Institute for Micro, Small and Medium Enterprises Sponsored by the Department of Science and Technology, Govt. of India	2000
2019	Dr.S.Indraneel	FDP on "Entrepreneurship Development"	National Institute for Micro, Small and Medium Enterprises Sponsored by the Department of Science and Technology, Govt. of India	2000
2019	Dr. CH. Hari Kishan	FDP on "Entrepreneurship Development"	National Institute for Micro, Small and Medium Enterprises Sponsored by the Department of Science and Technology, Govt. of India	2000
2019	Dr. A.Veeraswamy	FDP on "Entrepreneurship Development"	National Institute for Micro, Small and Medium Enterprises Sponsored by the Department of Science and Technology, Govt. of India	2000
2019	Dr.D.N.V.Syam	Workshop on	IUCEE AP	2000

	Kumar	"Software Engineering, Instruction design using Outcomes-based design process"	Chapter at VFSTR, Guntur	
2019	Mr.A.V.S.Sudhakar Rao	Workshop on " Knowledge Representation Reasoning by integrating Artificial Intelligence and Machine Learning"	IUCEE AP Chapter at VFSTR, Guntur	2000
2019	Dr. CH. Hari Kishan	Workshop on " Quality Enhancement, Assessment and Accreditation of Engineering Colleges"	APSCHE in association with JNTUK, Kakinada	2000
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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	NA	Training Program on "Python Program Running using GUI and Command In terpreter"	23/07/2019	28/07/2019	Nil	7
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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
Machine Learning Techniques for Image Processing and	1	06/05/2019	11/05/2019	6

Computer Vision

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
197	197	65	65

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance, 50 Concession in bus fare.	Provident Fund, free transportation by college bus.	Merit Cash Prizes

6.4 – Financial Management and Resource Mobilization

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

The college regularly conducts internal and external auditing of the accounts. External auditing is done by a qualified and experienced Chartered accountant.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	Nil	Nil
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6.4.3 – Total corpus fund generated

00

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	JNTUK	Yes	College
Administrative	Yes	Auditor	Yes	Manager

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

Parent-Teacher Association is not existing at present

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

Skill Up-gradation Programmes, Training on new equipment, apparatus and software's, Know how on new experiments.

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

Applied for NBA Accreditation for Three Programmes. Applying for Autonomous Status Conducting AICTE sponsored STTP programme by EEE dept, Conducting Seminars, Workshops for the benefit of students and faculty.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

Yes

b)Participation in NIRF	No
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	Out Come Based Education	30/08/2019	30/08/2019	30/08/2019	35
2019	Indian Space Conference on Space Satellite	03/10/2019	03/10/2019	04/10/2019	42
2019	Faculty Development on Entrepreneurship Development in Association with NIMSME	25/11/2019	25/11/2019	07/12/2019	28

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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
Nil	Nil	Nil	Nil	Nil

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
Percentage of power requirement of the University met by the renewable energy sources. Solar energy is used in the girls hostel for hot water purpose.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	12
Ramp/Rails	Yes	12
Rest Rooms	Yes	12
Scribes for examination	Yes	4
Provision for lift	No	Nil
Braille Software/facilities	No	Nil
Special skill	No	Nil

development for differently abled students		
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
Nil	Nil	Nil	Nil	000	Nil	Nil	Nil
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Nil	Nil	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Guest Lecture on HVPE	22/07/2019	22/07/2019	182
WORK SHOP on Ethical Values	19/12/2019	21/12/2019	205
No file uploaded.			

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

Celebration of "World Environment Day" Celebration of "World Earth Day" Conduct of "Swaccha Baharat" in the College campus Maintaining good greenery in the campus Water conservation using sprinklers and drip irrigation for the plants, lawns and trees

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BOOT CAMP AND WEBATHON: Goal: To provide a platform for students to spark up their imagination and creativity and dazzle with their unique webpage creations. The context and practice: Brain 'O' Vision a private organization conducted a two days boot camp on web development followed by 24 hours Webathon to address local business needs. 160 students have participated in this event and developed various websites. A student batch developed a website for a hospital and got appreciation and reward from the hospital management. Evidence of Success: Students/Teams can work on their ideal websites and improve it into a dynamic website and also can create millions of website with an ease from here on. Problems encountered and resources required: No problems were encountered, computer labs with internet facility. NATIONAL LEVEL SHORT TERM TRAINING PROGRAMS ON LATEST TECHNOLOGIES BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE. Goal: To provide a platform to introduce fundamentals of Block chain and artificial intelligence technology and implementations of Block chain and Artificial intelligence technology with their real time applications for

faculty and students. The context and practice: Brain 'O' Vision a private organization conducted a STTP on latest Technologies Blockchain and Artificial intelligence technology for faculty and students. 80 faculty members 170 students have participated in this event and upgraded their knowledge. Evidence of Success: faculty and students worked on the latest technologies and developed real time applications. Problems encountered and resources required: No problems were encountered, computer labs with internet facility and open software.

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

http://sacet.ac.in/sacet/NAAC/NAAC_BEST_PRACTICES_2020.pdf

7.3 – Institutional Distinctiveness

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

Established automobile gallery to achieve the following outcomes. 1. students will be able to understand the different components of a four-wheeler. 2. students attain hands on experience by carrying assembling and disassembling of IC Engine components. 3. students will be to design and analyse the working of IC ENGINE components. 4. students will be able to conduct automobile design contests and workshops for transforming theory to practice.

Provide the weblink of the institution

http://sacet.ac.in/sacet/NAAC/NAAC_INSTITUTIONAL_DISTINCTIVENESS_2020.pdf

8.Future Plans of Actions for Next Academic Year

1. University Recognized Research Centres One of the best things' faculty members can do while they are in college is to get involved in research. They might think that they can only do this at a large in university. However, it is likely the case that most fulltime faculty members, even at colleges with only undergraduates and post graduates, are conducting some kind of research. Keep in mind that faculty and student research on campus go hand-in-hand. This research is highly encouraged and students (from freshmen to seniors) across all subject areas take advantage of this opportunity. Moreover, faculty members want students to be involved in what they are investigating. There are lot of advantages for getting faculty involved in research, all of which will positively impact their experience while in the college and well beyond. Keeping in mind the above benefits the college plans to apply to JNTUK for sanction of Research centres in ECE, CSE and ME Departments soon. 2.Autonomous status: The college plans to go for autonomous status in near future considering the following advantages: An autonomous college will have the freedom to: determine and prescribe its own courses of study and syllabi, and restructure and redesign the courses to suit local needs and prescribe rules for admission in consonance with the reservation policy of the state government Evolve methods of assessment of students, performance, the conduct of examinations and notification of results Use modern tools of educational technology to achieve higher standards and greater creativity and Promote healthy practices such as community service, extension activities, projects for the benefit of the society at large, neighbourhood programmes, etc. Autonomous colleges are free to make use of the expertise of university departments and other institutions to frame their curricula, devise methods of teaching, examination and evaluation. They can recruit their teachers according to the existing procedures (for private and government colleges).