Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SRI SIVANI COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr J Bala Bhaskara Rao**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**09440376522**
Mobile no.	**7382651411**
Registered Email	**principal_w6@yahoo.co.in**
Alternate Email	**iqacssce@gmail.com**
Address	**Chilakapalem, Etcherla, Srikakulam, Andhra Pradesh-532410**
City/Town	**Srikakulam**
State/UT	**Andhra Pradesh**
Pincode	**532410**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr G T Chandra Sekhar**
Phone no/Alternate Phone no.	**09440376522**
Mobile no.	**9440376522**
Registered Email	**iqacssce@gmail.com**
Alternate Email	**gtchsekhar@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://srisivani.com/wp-content/uploads/2023/09/AQAR_SSCE_2018-19-1.pdf

4. Whether Academic Calendar prepared during the year

No

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.17**	**2014**	**23-Sep-2014**	**23-Sep-2019**

6. Date of Establishment of IQAC

05-Jun-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
Leadership and Management Training Program	**18-Nov-2019** **5**	**84**

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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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	No
Upload latest notification of formation of IQAC	No Files Uploaded !!!
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	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• Organizing workshops, and seminars on qualityrelated themes • Development programmes for Faculty and Students • Conducting core competitive classes such as GATE • IQAC is constantly evaluating the teachinglearning process through the reports of course assessment • Internal IQAC Academic Audit

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

Plan of Action	Achivements/Outcomes
Conducting the remedial classes for slow learners	Results improved
Orientation program for the first year students	Increases the awareness towards the engineering studies in the student point-of-view
To conduct the FDP's/workshops for the	Faculty and non-teaching staff gets

Teaching and non-teaching staff	benefitted to-wards their and academic and administration
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	25-Jan-2021

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	**2020**

Date of Submission	**20-Feb-2020**

17. Does the Institution have Management Information System ?	**No**

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Part B

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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

As the institution is affiliated to JNTUK, it follows the JNTUK Academic Calendar for the commencement of class work and scheduling of mid semester examinations. Teaching plans are prepared for each lecture in the teaching plan by the faculty before the commencement of the semester and it is duly approved after careful examination by the Head of the Department and made available to the students. The teaching plan encompasses the learning outcomes and the assessment of outcomes. The teaching plan is prepared taking into the account of the following aspects: In case of theory subjects, the syllabus is prescribed by the university and additional topics will be identified by course coordinator and Advisory Committee. In case of practical subjects, the experiments are prescribed by the university and the additional experiments will be conducted based on the specific requirements. Prescribed syllabus has to be completed as per University Academic Calendar. The number of instructional and tutorial hours to complete the syllabus of each Course will be prepared by the course coordinator. A detailed notes for each unit is prepared by course coordinator according to the prescribed syllabus before the commencement of Semester. • Question banks are prepared for each topic in the course based on the course objectives and considering the nature of the university question papers. The previous question papers of University are also maintained in the course files. • PPTs are prepared by the course coordinator for typical topics for better and easy understanding of the student. • Separate

assignments are prepared for weaker and advanced learners. Assignment questions are framed based on the attainment of the course outcomes and Program Outcomes which reflects the Bloom's Taxonomy. • More problem solving and programming skills are practiced in the tutorials to enhance the students skills. • After the 1 Mid marks evaluation the weaker students are identified and remedial classes are conducted to give more practice on the contents. • Counseling is done in the view of the student career, Curricular and Extra Curricular Activities. Counselors guide and motivate them towards their success. • Based on the previous result analysis the weaker students are identified and are concentrated from the beginning onwards.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
A Two week Add-On program on Project Management	nil	15/07/2019	12	employabil ity	detailing software
A Two week Add-On program on MAT lab basics and beyond for engineering applications	nil	19/08/2019	12	employabil ity	matlab
A Two week Add-On program on Web server log analysis system	nil	16/09/2019	12	employabil ity	web server log analysis
A Two week Add-On program on House wiring estimation and designing	nil	16/09/2019	12	employabil ity	wiring estimation and designing
A Two week Add-On program on GST Calculations	nil	16/09/2019	12	employabil ity	GST
A Two week Add-On program on Generative design for additive man ufacturing	nil	16/09/2019	12	employabil ity	design for manufacturin g
A Two week Add-On	nil	17/11/2019	12	employabil ity	embedded systems

program on Embeded systems					
A Two week Add-On program on Image Processing with Mat Lab	nil	02/12/2019	10	employabil ity	matlab
A One Week Add-On program on Artificial Intelligence	nil	10/12/2019	7	employabil ity	artificial intelligence
A One Week Add - On Program on Fundamentals of Computer Vision Artificial Neural Networks	nil	26/12/2019	6	employabil ity	artificial neural networks
A One Week Add-On Program on C omputational Fluid Dynamics and MAT Lab with Optimization	nil	02/01/2020	6	employabil ity	matlab
A Two week Add-On program on Arduino based Embeded system design	nil	20/01/2020	12	employabil ity	arduino
A Two Week Add-On Program on AutoCAD	nil	24/02/2020	13	employabil ity	autocad
A Two week Add- Onprogram on Life skills and its usage	nil	13/04/2020	12	employabil ity	life skills
A Two week Add-On program on Cyber Security	nil	01/07/2019	12	employabil ity	cyber security

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	civil engineering	10/06/2019
BTech	electrical and electronics engineering	10/06/2019
BTech	mechanical engineering	10/06/2019
BTech	electronics and communication engineering	10/06/2019
BTech	computer science engineering	10/06/2019
MBA	HR&FINANCE	16/09/2019
Mtech	VLSI	05/08/2019
Mtech	PE	05/08/2019
Mtech	DECS	05/08/2019
Mtech	CSE	05/08/2019

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

	Certificate	Diploma Course
Number of Students	999	0

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
A Two week Add-On program on Cyber Security	01/07/2019	66
A Two week Add-On program on Project Management	15/07/2019	46
A Two week Add-On program on Web server log analysis system	16/09/2019	65
A Two week Add-On program on House wiring estimation and designing	16/09/2019	32
A Two week Add-On program on GST Calculations	16/09/2019	69
A Two week Add-On program on Generative	16/09/2019	68

	design for additive manufacturing		
A Two week Add-On program on Embeded systems	18/11/2019		64
A Two week Add-On program on Image Processing with Mat Lab	02/12/2019		45
A Two week Add-On program on Arduino based Embeded system design	20/01/2020		34
	[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	civil engineering	35
BTech	electrical and electronics engineering	39
BTech	mechanical engineering	74
BTech	electronics and communication engineering	60
BTech	computer science engineering	44
MBA	HR& FINANCE	37
Mtech	VLSI	2
Mtech	PE	8
Mtech	CSE	1
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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

The feedback is collected by the Internal Quality Assurance Cell (IQAC). The institution has established a system of collecting feedback from the students in all courses twice in a semester. Generally, at the time of I mid and II mid online examinations. The feedback has been collected through the online system by a defined in built feedback software where students can respond towards the structured questionnaire regarding the key elements i.e. communication, number of examples quoted, behaviour in class, teaching methodology and so on. Maximum number of students participated in giving feedback (above 80 of the students).

Once feedback is collected it will be under the process of the faculty performance through some standard statistical tool applications. The collected feedback is analysed by the IQAC and a detailed report is submitted to the principal. Rewards/Corrective Measures: The faculty is called to have a discussion about feedback with the HoD and Principal for the betterment of their performance. The best performed faculty members are encouraged with appreciation. Members of the faculty, whose performance is poor are advised based on their weak areas by HoD and Principal. The faculty members are encouraged to participate in various Workshops/Seminars/ Conferences/ Training Programs/FDPs to enhance their skills. The institution organizes faculty development programmes regularly for improving their knowledge and teaching skills. The faculty who performs extremely well are requested to conduct Faculty Development Programmes and participate in Research Development work.

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	CIVIL	60	50	50
BTech	EEE	120	32	32
BTech	MECH	120	65	65
BTech	ECE	120	21	21
BTech	CSE	120	95	95
Mtech	VLSI	18	5	5
Mtech	DECS	18	5	5
Mtech	CSE	18	12	12
Mtech	Power Electronics	18	11	11
MBA	MBA	60	54	54
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1034	166	106	16	12

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
134	128	14	14	2	2

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

The principal objective of introducing the 'Student Mentoring System' is to guide the academic, career advancement, co-curricular and extra-curricular performances of the student and accordingly mould the students to utilize all the resources available in the institution for holistic development of the students. The system encompasses continuous monitoring the students' performance, identifying the strengths, shortcomings, behavior and attitude, and offering amiable support and specific suggestions to develop the students in all aspects. The system also aims at implanting good habits, behavior and human values among the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1200	134	1:9

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
11	11	0	11	13

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	Dr G T Chandra Sekhar	Associate Professor	Dr. APJ Abdul Kalam Award for Young Scientist-2019
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	CIVIL-01	II/I	09/05/2019	06/07/2019
BTech	EEE-02	II/I	07/05/2019	06/07/2019
BTech	MECH-03	II/I	11/05/2019	06/07/2019
BTech	ECE-04	II/I	11/05/2019	06/07/2019
BTech	CSE-05	II/I	11/05/2019	06/07/2019
BTech	CIVIL-01	II/II	08/05/2019	19/06/2019
BTech	EEE-02	II/II	08/05/2019	19/06/2019
BTech	MECH-03	II/II	08/05/2019	19/06/2019
BTech	ECE-04	II/II	08/05/2019	19/06/2019
BTech	CSE-05	II/II	08/05/2019	19/06/2019

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As our Institute affiliated to JNTU, Kakinada. The Evaluation will be taken care by the University. However, for 30 marks will be evaluated at the institute level. For theory subjects, during the semester there shall be 2 tests. The weightage of Internal marks for 30 consists of Descriptive – 15, Assignment - 05 (Theory, Design, Analysis, Simulation, Algorithms, Drawing, etc. as the case may be and for Physics Virtual Labs to be consider as Assignments) Objective -10 (Conducted at College level with 20 Multiple choice question with a weightage of ½ Mark each). The objective examination is for 20 minutes duration. The subjective examination is for 90 minutes duration conducted for 15 marks. Each subjective type test question paper shall contain 3 questions and all questions need to be answered. The Objective examination conducted for 10 marks and subjective examination conducted for 15 marks are to be added to the assignment marks of 5 for finalizing internal marks for 30. For practical subjects there shall be continuous evaluation during the semester for 25 internal marks and 50 end examination marks. The internal 25 marks shall be awarded as follows: day to day work - 10 marks, Record-5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner.

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

We will follow academic calendar and examination related matters as per JNTUK university notifications.

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://srisivani.com/wp-content/uploads/2023/09/TOTAL-COS-2019-20-1.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
01	BTech	CIVIL	32	30	94
02	BTech	EEE	38	37	97
03	BTech	MECH	82	78	95
04	BTech	ECE	59	56	95
05	BTech	CSE	82	79	96
57	Mtech	VLSI	9	8	89
43	Mtech	PE	13	12	92
58	Mtech	CSE	13	12	92
IE	MBA	MBA	49	46	94
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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)

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
No Data Entered/Not Applicable !!!				
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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
Aoneday Workshop on Navigating Intellectual Property: Understanding Patents, Copyrights, and Trademarks	MBA	23/01/2020
Aoneday Workshop on Research Skills for Innovation in Electronics and Communication Engineering	ECE	12/02/2021
One day workshop on IPR in Renewable Energy Systems: Innovations, Patents, and Licensing	EEE	13/08/2019
A One day Workshop for Computer Science Undergraduates Research Skills for Innovation in Computer Science	CSE	03/09/2019
One day workshop on "Entrepreneurship and Career	Mech	11/09/2019
A One day workshop on IPR Strategies for Business Growth: Leveraging Innovation and Intellectual Assets	MBA	16/10/2019
A one day Lecture programme on "Innovations and Entrepreneurship	CSE	13/11/2019
A one day seminar on "Intellectual Property Rights: Emerging Issues and Challenges"	CIVIL	23/12/2019

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
Young Scientist	Dr G T Chandra Sekhar	Marina Labs Research Development	24/11/2019	Research
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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
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
10	1	

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

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

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	MECH	8	1
International	EEE	4	1
International	CSE	4	2
International	ECE	4	1
International	MBA	1	1
No file uploaded.			

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
EEE	3
CSE	4
MECH	5
CIVIL	1
HBs	1
ECE	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 Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in	Number of citations excluding self

					the publication	citation
Simulation of air flow around ceiling fan in an enclosed space by using cfd	J. Bala Bhaskara Rao	INTERNAT IONAL JOURNAL OF SCIENTIFIC TECHNOLOGY RESEARCH	2020	12	Sri Sivani College Of Engineerin g	10
Optimiza tion and GRNN prediction tool imple mentation on bumper beam with different composite materials	J. Bala Bhaskara Rao	Indian Journal of Engineerin g	2020	10	Sri Sivani College Of Engineerin g	7
Execution of a Modern Prediction Tool for Evaluation of Thermal Performanc e in a Heat Exchanger by Expending Triple Elliptical Leaf Angle Strips with Altered Or ientation and …	J. Bala Bhaskara Rao	Internat ional Journal of Recent Technology and Engine ering	2019	6	Sri Sivani College Of Engineerin g	4
Evaluation of knuckle joint perf ormance with altered materials by executing a smart prediction	J. Bala Bhaskara Rao	Internat ional Journal of Advanced Science and Technology	2020	4	Sri Sivani College Of Engineerin g	3

tool							
Multi-objective optimization of submerged friction stir welding process parameters for improved mechanical strength of aa6061 weld bead by using t aguchi-l18-based gray relational analysis	Salavaravu Laxmanaraju	Lecture Notes in Mechanical Engineering	2020	5		Sri Sivani College Of Engineering	3
Experimental and Numerical Analysis of Fluid Flow in Microfibers	Subrat Kumar Barik	International Journal of Recent Technology and Engineering (IJRTE)	2020	4		Sri Sivani College Of Engineering	2
Development of small scale industries (a comparative study on problems of ssis in uttarandhra region andhra pradesh)	Dr. Malla Purna Suri Ganesh	International Journal of Multidisciplinary Research and Modern Education	2020	4		Sri Sivani College Of Engineering	2
Intelligent computing in control and communication	Tulasichandra Sekhar Gorripotu	Lecture Notes in Electrical Engineering (LNEE, volume 702)	2020	17		Sri Sivani College Of Engineering	15
Performance Analysis of Grid Sy	Tulasichandra Sekhar Gorripotu	International Journal of Advanced	2020	19		Sri Sivani College Of Engineerin	14

Title of the Paper	Name of Author	Title of journal	Year of publication		Number of citations	Institutional affiliation as mentioned in the publication
nchronization Method for Three-Phase Three-Wire Networks under Grid Fault Conditions		Science and Technology			g	
Statistical Analysis of Various Measures in Auditing Practices using Optimization Techniques	D. Priyanka	Science, Technology and Development	2020	14	Sri Sivani College Of Engineering	12

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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
Simulation of air flow around ceiling fan in an enclosed space by using cfd	J. Bala Bhaskara Rao	INTERNATIONAL JOURNAL OF SCIENTIFIC TECHNOLOGY RESEARCH	2020	1	10	Sri Sivani College Of Engineering
Optimization and GRNN prediction tool implementation on bumper beam with different composite materials	J. Bala Bhaskara Rao	Indian Journal of Engineering	2020	30	7	Sri Sivani College Of Engineering
Execution of a Modern Prediction Tool for Evaluation of Thermal	J. Bala Bhaskara Rao	International Journal of Recent Technology and Engineering	2019	1	4	Sri Sivani College Of Engineering

Performanc e in a Heat Exchanger by Expending Triple Elliptical Leaf Angle Strips with Altered Or ientation and …						
Evaluation of knuckle joint perf ormance with altered materials by executing a smart prediction tool	J. Bala Bhaskara Rao	Internat ional Journal of Advanced Science and Technology	2020	22	3	Sri Sivani College Of Engineerin g
Multi- objective optimizati on of submerged friction stir welding process parameters for improved mechanical strength of aa6061 weld bead by using t aguchi- l18-based gray relational analysis	Salavaravu Laxmanaraj u	Lecture Notes in Mechanical Engineerin g	2020	20	3	Sri Sivani College Of Engineerin g
Experime ntal and Numerical Analysis of Fluid Flow in Mi crofibers	Subrat Kumar Barik	Internat ional Journal of Recent Technology and Engine ering (IJRTE)	2020	23	2	Sri Sivani College Of Engineerin g

Development of small scale industries (a comparative study on problems of ssis in uttarandhra region andhra pradesh)	Dr. Malla Purna Suri Ganesh	International Journal of Multidisciplinary Research and Modern Education	2020	18	2	Sri Sivani College Of Engineering
Intelligent computing in control and communication	Tulasichandra Sekhar Gorripotu	Lecture Notes in Electrical Engineering (LNEE, volume 702)	2020	26	15	Sri Sivani College Of Engineering
Performance Analysis of Grid Synchronization Method for Three-Phase Three-Wire Networks under Grid Fault Conditions	Tulasichandra Sekhar Gorripotu	International Journal of Advanced Science and Technology	2020	18	14	Sri Sivani College Of Engineering
Statistical Analysis of Various Measures in Auditing Practices using Optimization Techniques	D. Priyanka	Science, Technology and Development	2020	6	12	Sri Sivani College Of Engineering
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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	8	4	Nill	Nill
Presented papers	8	4	Nill	Nill
Resource persons	Nill	Nill	2	2

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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
Plantation of Saplings	Kunapuvani peta Primary School students	3	45
NSS DAY Health and Wellness awareness Campaign	Sri Sivani College of Pharmacy	3	43
Blood Donation Drive	Red Cross Society, Srikakulam	3	53
SWACHH BHARAT	Kunapuvanipeta	3	46
Celebrating Children's DAY and Promoting Gender Equality in school children	Kunapuvanipeta	3	42
Celebration of National Voters Day	Srikakulam District Collectorate office	3	32
Community Households survey on socio economic conditions	Kunapuvanipeta	3	45
Painting to school in collaboration with Kunapuvani peta villagers	Kunapuvanipeta	3	41
Construction of drainage as a part of SWACHH BHARAT	Kunapuvanipeta	3	42
Beautification of village and construction of school playground	Kunapuvanipeta	3	41
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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
Plantation of Saplings	Appreciation Letter	Kunapuvanipeta, Sachivalayam	45
SWACHH BHARAT	Appreciation Letter	Kunapuvanipeta, Sachivalayam	46

Painting to school in collaboration with Kunapuvani peta villagers	Appreciation Letter	Kunapuvanipeta, School HM	41
Construction of drainage as a part of SWACHH BHARAT	Appreciation Letter	Kunapuvanipeta, Sachivalayam	42
Beautification of village and construction of school Handpump platform	Appreciation Letter	Kunapuvanipeta, School HM	37
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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 activites	Number of students participated in such activites
NSS Regular Activity	Sri Sivani College of Pharmacy	NSS DAY Health and Wellness awareness Campaign	3	43
NSS Regular Activity	Kunapuvanipeta	SWACHH BHARAT	3	46
NSS Regular Activity	Kunapuvanipeta	Celebrating Children's DAY and Promoting Gender Equality in school children	3	42
NSS Regular Activity	Kunapuvanipeta	Construction of drainage as a part of SWACHH BHARAT	3	42
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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
Faculty Development Program	54	SSCE	5
Guest lecture	74	SSCE	5
Faculty Development Program	46	SSCE	5
Guest lecture	62	SSCE	5
Faculty Development Program	25	SSCE	5
Industrial visit	52	SSCE	2

Campus Recruitment Training	165	SSCE	3

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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
project work	project work	NEELAM JUTE MILL PVT LIMITED, SRIKAKULAM	03/06/2019	06/07/2019	BARATAM KEERTHI
project work	project work	HBL POWER SYSTEMS LIMITED	03/06/2019	06/07/2019	GANDHAM VENU
project work	project work	NEELAM JUTE MILL PVT LIMITED, SRIKAKULAM	03/06/2019	06/07/2019	TANGUDU VASUNDHARA
project work	project work	HBL POWER SYSTEMS LIMITED	03/06/2019	06/07/2019	JAMI GIREESH
internship	internship	sss computers	03/06/2019	06/07/2019	Dandi Rajesh
internship	internship	sss computers	03/06/2019	06/07/2019	Kalisetti Mnikanta
internship	internship	sss computers	03/06/2019	06/07/2019	Guntuku Anil
internship	internship	sss computers	03/06/2019	06/07/2019	Aravala Keerthi
internship	internship	sss computers	03/06/2019	06/07/2019	Dandupati Tulasi
internship	internship	sss computers	03/06/2019	06/07/2019	Pudi sandhya

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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
Sri Venkateswara College Of Engineering Technology	06/08/2019	Guest lecture knowledge sharing	41

Chaitany College Of Engineering	01/10/2019	Guest lecture knowledge sharing	28
HMI, Visakhapatnam	01/08/2019	Students are trained an advanced technologies	23
SAI Ganapathi Engineering College	04/11/2019	Guest lecture knowledge sharing	29
Dr Samuel George Institute of Engineering Technology	02/09/2019	Guest lecture knowledge sharing	27
Avanthis St. Theressa Institute of Engineering Technology	15/07/2019	Guest lecture knowledge sharing	31
K.S.R.M COLLEGE OF Engineering (Autonomous) C.K. Dinne Mandal, Kadapa dist, A P - 516 004	16/09/2019	Guest lecture knowledge sharing	46
CENTRE OF EXCELLENCE IN MARITIME SHIP BUILDING, VISAKHAPATNAM	08/04/2019	Guest lecture knowledge sharing	15
GIET Engineering College	03/07/2019	Guest lecture knowledge sharing	31
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
70	70.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Ecap	Partially	2.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3658	1945145	0	0	3658	1945145
Reference Books	668	71100	0	0	668	71100
e-Books	1346	0	0	0	1346	0
Journals	87	204125	0	0	87	204125
e-Journals	8999	134299	0	0	8999	134299
Digital Database	24	144000	0	0	24	144000
Library Automation	2	27400	0	0	2	27400
CD & Video	1327	0	0	0	1327	0

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 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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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	627	528	140	528	10	18	94	150	0
Added	0	0	0	0	0	0	0	0	0
Total	627	528	140	528	10	18	94	150	0

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

<div align="center">120 MBPS/ GBPS</div>

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

All faculty development e-content and uploaded in e-cap	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
50	51.05	70	72.9

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 physical facilities will be maintained by assigning works to non-teaching staff under a faculty coordinator. The laboratory equipment maintenance will done during semester break by concerned lab technician and faculty in-charge. The damaged equipments are rectified by called external technician. The stock of library is assessed once in a year (during summer vacation). The computer and class room maintenance will be carried in regular basis. A sound mind dwells in a sound body. Physical exercises keep one healthy and fit. At SSCE Sports and games are given utmost importance with this philosophy in mind. Well equipped gyms, spacious play ground cater to the physical well-being of the students. Women students are motivated and guided properly in order to prepare them for various sports events. Well qualified and well trained lady Physical Director looks after day to day as well as special athletic events at University level that happen from time to time. Achieved University level competition, Inter Collegiate Tournaments, Campus development in time with Badminton, Cricket ground Net practicing, Basketball for Indore games facilities are provided for Carroms,Table Tennis,Chess,etc. In Gymnasium, ground equipment is provided which provide wide scope for Bodybuilding.

http://srisivani.com/sports-games.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	Merit Scholar ship	98	401000
Financial Support from Other Sources			
a) National	JVD	897	36585150
b)International	Nill	Nill	Nill
No file uploaded.			

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
Promoting Soft Skills for Public speaking and	25/11/2019	96	B.H.K. Chowdary, 9440841249

Training			
Awareness program on Scientific Grounds Indian Traditional science A Personality development program	01/11/2019	136	Dr. C.V.B Subramanyam Potti Sriramulu Telugu University
Usage of effective communication at work place	13/02/2020	82	ACE Engineering academy
One-day workshop on Information communication technology	06/01/2020	76	Dr. J. Nayak/ 7978568017
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Techniques to win through a competitive exam	263	0	23	0
2020	Professional Career Guidance for Aspiring Engineers	Nill	398	Nill	175
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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
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
16	243	162	7	59	13
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	6	BTech	ECE	SSCE	MTech
2020	1	BTech	Mech	SSCE	MBA
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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
Any Other	7
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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
International Youth Day	National	25
INDEPENDENCE DAY	National	50
Freshers Day	National	53
DUSSEHRA SAMBARALU	national	61
CHRISTMAS EVENTS	National	22
NEW YEAR CELEBRATIONS	National	79
SANKRANTI SAMBARALU	National	146
REPUBLIC DAY	National	20
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Nill	National	9	16	Nill	Nill
2020	Nill	National	5	4	Nill	Nill
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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)

All the departments have a student society, student chapters of various professional associations and various social clubs. Head of the Department, staff and students of the respective departments in consultation with the Principal elect the office bearers. The student society of every department conducts National level Symposium every year in which they organize various technical and non technical events. The students are members and volunteers of the symposium. They get funding from concerned agencies and partial funding from the institution and by student membership and sponsorship. The College has various academic and administrative bodies that have student representatives.

This representation helps them in their overall development. These bodies create more avenues for students to develop technical skill, update knowledge, develop their personality and motivate them to do social service. There are staff advisers to guide students in the smooth and efficient conduct of these activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The activity of the Student Council representation of students on academic administrative bodies/committees of the institution is available on the website with the link www.srisivani.com. At the department level class representatives (CR's) are elected at the starting of the academic year to act as points of contact between the department and their classmates. They are responsible for student interaction and involvement in day to day activities. At college level, student clubs are promoted for the overall development of the students outside the classroom environment. These are actively participating in seminars, conferences, cultural fests, etc. At the Institution level student are active and they participate in technical discussions and the overall development of the college. Every department has a student member in every committee to participate in the discussions. IQAC advisory committee has one student representatives to involve themselves in the development of the college.

5.4.2 – No. of enrolled Alumni:

238

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

10000

5.4.4 – Meetings/activities organized by Alumni Association :

Yes

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)

1. Decentralization of Administrative works: The institution has 15 committees/cells to ensure the decentralization and efficient execution of administrative works. Each committee has one coordinator and faculty members from every department. These committees are monitored by the head of the institution. All these committees are involved in data collection, organizing activities, periodical reviews and providing suggestions for further actions. They frequently conduct meetings and maintain the records. In addition to the involvement in these committees, there are some other departmental responsibilities for the faculty such as Class incharge, Project incharge, lab incharge etc. 2. Delegation of financial Power: The institution is maintaining a separate account in the name of the Principal. All the financial transactions are carried through this account. The HOD's and In-charges can submit the financial proposals to the principal well in before the commencement of the academic year. The department heads have the financial power through the principal's account. Each department utilizes the financial provision maximum of 1 lakh through principal's account per month. If it is more than 1 lakh, the letter has to be forwarded to the chairman of the institution for the approval. The Governing Body reviews the proposals and makes appropriate budget allocations.

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
Industry Interaction / Collaboration	Industry interaction was made through following ways: 1. MoUs with indutries. 2. Internships 3. Guest lectures 4.Field visits
Library, ICT and Physical Infrastructure / Instrumentation	Library provides best platform to all human resource. Library consists number of volumes. Innovations by Faculty in teaching and learning shall be summarized as per the following description. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the following criteria: • The work must be made available on Institute website • The work must be available for peer review and critique • The work must be reproducible and developed further by other stakeholders
Teaching and Learning	Teaching plans are prepared for each lecture in the teaching plan by the faculty before the commencement of the semester and it is duly approved after careful examination teaching plan encompasses the learning outcomes and the assessment of outcomes. The teaching plan is prepared taking into the account of the following aspects: • In case of theory subjects, the syllabus is prescribed by the university and additional topics will be identified by course coordinator and Advisory Committee. • In case of practical subjects, the experiments are prescribed by the university and the additional experiments will be conducted based on the specific requirements. • Prescribed syllabus has to be completed as per University Academic Calendar. • The number of instructional and tutorial hours to complete the syllabus of each Course

will be prepared by the course coordinator. • Diverse Assignments are prepared to encourage bright students simple assignments are prepared for weeker students. Teaching Process • Lecture Notes: A detailed notes for each unit is prepared by course co-ordinator according to the prescribed syllabus before the commencement of Semester. • Question Bank: Question banks are prepared for each topic in the course based on the course objectives and considering the nature of the university question papers. The previous question papers of University are also maintained in the course files. • PPTs: PPTs are prepared by the course co-ordinator for typical topics for better and easy understanding of the student. • Assignments: Separate Assignmnts are prepared for weaker and advanced learners. Assignment questions are framed based on the attainment of the course outcomes and Program Outcomes which reflects the Bloom's Taxonomy. • Tutorials: More problem solving and programming skills are practiced in the tutorials to enhance the students skills. • Remedials: After the 1st Mid marks evaluation the weaker students are identified and remedial classes are conducted to give more practice on the contents. • Counseling: Counseling is done in the view of the student career, Curricular and Extra Curricular Activities. Counselors guide and motivate them towards their success. • Result Analysis: Based on the previous result analysis the weaker students are identified and are concentrated from the beginning onwards. E. Learning Process The institution encourages the faculty to involve the students actively in the process of learning. Following support structures are available for the faculty to develop various learning skills among the students: 1. Interactive Learning: • Besides traditional classrooms with a blackboard, every department is equipped with an e-classroom with an LCD projector and internet connectivity. • Faculty regularly uses presentations and videos as teaching tools and encourages interactive learning among the students. • Respective departments organize guest

	lectures and seminars regularly. 2. Collaborative Learning • Faculties facilitate discussions on important concepts within the classroom to encourage combined learning. • Departmental associations are highly active in the institution. These associations regularly organize seminars, discussions and competitions to encourage collaborative learning among the students. 3. Independent Learning • The Central Library has a vast collection of books, journals, project reports, etc. • A library hour is made compulsory for all the students to encourage the students to learn independently. • Internet facility is available to the students to learn on their own. • Further, assignments also encourage the students to learn on their own
Curriculum Development	The curriculum will be designed by JNTUK. However, the departmental academic committee will identify curriculum gaps and additional topics. These will be delivered by the concerned faculty or senior faculty or expert from industry.
Examination and Evaluation	The examination and evaluation process will be taken care by JNTUK.
Research and Development	Central RD committee is formed to encourage the faculty and students to participate in R D activities.
Admission of Students	Complete Admission process will be under AP higher education
Human Resource Management	Well-structured annual faculty appraisal system for all employees. Providing Group Insurance for staff and their family .

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

E-governace area	Details
Planning and Development	Ecap software is implemented for planning and development.
Administration	Ecap software is implemented for entire administration activities and filing system.
Finance and Accounts	TALLY software and Ecap software are using for finance and accounts. Every financial year It will be audited by CA for certification
Student Admission and Support	Ecap software is using for students data management

Examination	Examinations are conducting through JNTUK online portal

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. T. Chandrasekhar	Powertrain and Electromagnetic Transients	Nill	750
2020	Dr. G. T. Chandrasekhar	Electric Mobility- History Technology	Nill	500
2020	Dr. G. T. Chandrasekhar	Design Development of Photovoltaic Modules for PV Generation	Nill	1000
2020	Bhimireddy Snehalatha	IoT with Artificial Intelligence	Nill	500
2020	Dr.G.T.Chandr asekhar	Recent Trends in Electrical Engineering	Nill	500
2020	Dr.G.T.Chandr asekhar	Recent strategies on Micro- and Smart-Grid Technologies	Nill	750
2020	Dr. V. C. C. Raju	Recent Trends in Mathematics	Nill	500
2020	Dr. V. C. C. Raju	Importance of Mathematics in Science Technology	Nill	750
2020	Dr. V. C. C. Raju	Significance of Chemistry Physics in Nano Science Engineered Materials	Nill	750
2020	Dr.G.T.Chandr asekhar	How to use turnitin softwarefor your Research	Nill	1000
		[View File](#)		

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	Advances in Geotechnical Engineering: Challenges and Solutions (CIVIL)	Nill	17/06/2019	21/06/2019	23	Nill
2019	Big Data Analytics and Data Science: Tools and Techniques (CSE)	Nill	24/06/2019	28/06/2019	22	Nill
2019	Internet of Things (IoT) and Embedded Systems: Design and Implementation (ECE)	Nill	26/08/2019	30/08/2019	24	Nill
2019	Smart Grid Technologies: Advanced Metering and Demand Response (EEE)	Nill	25/11/2019	29/11/2019	26	Nill
2020	Thermal Systems Design and Optimization(MECH)	Nill	27/01/2020	31/01/2020	21	Nill
2020	Pedagogy and Teaching Methodologies in Humanities and Basic Sciences (HBS)	Nill	10/02/2020	14/02/2020	22	Nill
2020	Emerging Trends in	Nill	24/02/2020	28/02/2020	25	Nill

		Business Analytics and Data-driven Decision Making (MBA)					
2019	Nill	Effective Communication Skills: Enhancing written and verbal communication skills for effective interaction with students, faculty, and administrators.	08/07/2019	12/07/2019		Nill	19
2019	Nill	Conflict Resolution and Management: Techniques for resolving conflicts and managing challenging situations in the workplace.	22/07/2019	26/07/2019		Nill	18
2019	Nill	Time Management: Strategies to improve productivity, prioritize tasks, and manage time effectively.	19/08/2019	23/08/2019		Nill	20

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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	Number of teachers who attended	From Date	To date	Duration

development programme				
Powertrain Electromagnetic Transients	1	18/05/2020	19/05/2020	2
Electric Mobility- History Technology	1	22/05/2020	Nill	1
Design Development of Photovoltaic Modules for PV Generation	1	25/05/2020	30/05/2020	6
IoT with Artificial Intelligence	1	27/05/2020	29/05/2020	3
Recent Trends in Electrical Engineering	1	08/06/2020	12/06/2020	5
Recent strategies on Micro- and Smart-Grid Technologies	1	15/06/2020	19/06/2021	5
Recent Trends in Mathematics	1	22/06/2020	Nill	1
Importance of Mathematics in Science Technology	1	25/06/2020	29/06/2020	5
Significance of Chemistry Physics in Nano Science Engineered Materials	1	25/06/2020	27/06/2020	2
How to use turnitin softwarefor your Research	1	04/05/2021	Nill	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
11	11	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance	Health Insurance	Health Insurance,

Scholarships

6.4 – Financial Management and Resource Mobilization

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

Yes. A separate accountant is appointed to take care of the finances. The accounts of the institution are regularly audited through an external Charted accountant and it is the file to the income tax department and the internal Auditing by the college representative.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUK	Yes	IQAC
Administrative	Yes	JNTUK	Yes	Principal office and CA

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

1. 1st Mid Performance and Result Analysis of 2nd Semester results parents meeting is conducted. 2. 1st Sem analysis and activities conducted in the college for the overall development of the students parents meeting is conducted. 3. 2nd Sem before final Exams discussed about placement activities in the college parents meeting is conducted . 4. The parents are periodically apprised about the department activities through students and mails. 5. The feedback back from parents various academic and non academic activities are collected and analyzed. 6. The orientation programmes are organized in the college for which the parents are also invited at the starting of the academic year. 7. The Institution belies and maintains a holistic relationship between teachers and parents which can improve the quality of education and it adopts several initiatives in this direction. 8. The HODs, Faculty representatives are interacting with the parents through mobile on regular basis.

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

Supporting staff are encouraged to participate in training programs Providing group insurance Providing Free Travelling Breakfast and Lunch is providing at free of cost

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

1. Project based learning 2. Conducting Value added courses to the students in the Academic curriculum 3. One to one Counselling the slow learners and motivating towards Academics

6.5.5 – Internal Quality Assurance System Details

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

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	Leadership and Management Training Program	18/11/2019	18/11/2019	22/11/2019	84

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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
Womens Day	07/03/2020	07/03/2020	152	69
Sankranthi Sambaralu	10/01/2020	10/01/2020	10	46
INTERNATIONAL YOUTH DAY	12/08/2019	12/08/2019	9	14

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The staff members and students have started initiatives to save electricity power and have developed a policy for reducing the consumption of electricity. 330 KW Solar tree was designed by students. As keeping environmental issues, it is proposed to establish 189KW roof top solar energy generation to meet the power requirement of the institute with an amount of one crore rupees.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nill
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nill
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled	No	Nill

	students						

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	2	01/10/2 019	1	Swatch Bharath	Cleanin ess	98

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			

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

The major solid waste materials generated in the college consist of horticultural waste, which includes dried leaves or plant clippings from the lawn, paper, plastic, wrappers, glass, cardboard, and food wastes from the canteen and hostel. Dustbins are positioned in each classroom, laboratory, restroom, canteen, and at different places on the campus. Sweepers are allotted to manage all the waste generated on the campus. All waste/garbage from the college and hostel is segregated at the source and disposed of in a proper manner. The College does not allow all the vehicles enter in to the campus premises only the staff and student vehicles should be allowed to enter. We are conserving the environment with preserving green campus. Any outside vehicle would be allowed to enter after getting proper permission from the main gate security. In our college campus only authorised vehicles can enter and most of them should be parked in the parking zones. The College encourages the faculty members and students to use the public transport for safety, security and fuel conservation in every month to minimize the carbon dioxide emissions. The institute is located on the national highway Nh-16 Road. College allows all the bicycles and battery powered vehicles of college staff and students. Everyone on campus took action to designate the area as a plastic-free zone. NSS volunteers played a significant role in these types of events by organising rallies and spreading awareness of Swatch Bharat, Clean and Green, and the ban on plastic in and around the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Counselling and Mentoring system consists of: 1. Every class has one 'counseling hour' per week to facilitate a quick 1:1 interaction between the faculty and the student. 2. There are around 125 counselors in the institution. 3. There is one counselor for every 20 students. 4. Every week during the counseling hour/whenever necessary the students get counseled. 5. Prior to 1:1

session with the student, the faculty ascertains the detailsof attendance, performance in examinations/tests. 6. Details of attendance and performance are discussed during the 1:1 interaction, suggestions / comments, if any, are noted in the 'Student Record' book and first week of every month attendance report is sent to the parents whose wards have less than 75 attendance. 7. Those who got below 65 attendance, counselors intimate to parents through phone also. 8. The students also are counseled on career guidance, higher studies and entrepreneurship. 9. Good and top performers are further encouraged to aim at university ranks, higher studies and jobs at multi-national companies. 10. If some students are identified as slow learners, remedial classes are arranged for them in consultation with the Head of the Department. 11. The students are encouraged to participate in various co-curricular and extra-curricular activities organized by the individual departments and institution. The importance of participating in such activities for personal and professional development is emphasized during the counseling sessions. 12. In addition, the training placement cell conducts career counseling sessions for the students as part of the training programme Year Sem. Placement Cell activity Departmental activity I-B.TECH I Personality Develop ment M otivation Lecture by Exp ert II General English Lecture from Industry Exp ert II-B.TECH I Communication English Guest Lectures Technical (1 or 2) II GD/Communication skills NPTELs/Technical workshop III-B.TECH I Quantitative Ap titude/ Reasoning Technical Seminar p resentation by students/Industrial visit(1- 2day s-local) II GRE/TOFEL awareness/ Reasoning/ Assessment Tests GATE foundation/1-week Technical skill p rogramme/ Workshop s/ Seminars IV-B.TECH I Professional skills and Intensive training/Assessment Tests GATE/ M ini-p roject/Industrial visit(ten day s) II Training related to Industry GATE/Project work

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://srisivani.com/wp-content/uploads/2023/09/BEST-PRACTICES.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

In meeting the vision of Sri Sivani College of Engineering, the students are encouraged to take internship program during their semester break. Faculty members give their guidelines, suggestions and scope and contact details of an internship. They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports. The alumni coordinator constantly interacts with alumni those who are working in the industries and request them to provide necessary guidelines and supports for their junior's internship. The skills of the students are also upgraded through by organizing guest lectures, conferences.

Provide the weblink of the institution
http://srisivani.com/wp-content/uploads/2023/09/Instiute-Vision-Mission-alongwith-_CSE-Civil-EEE-Mech-ECEs-Vision-Mission-PEOs-POs-PSOs.pdf

8.Future Plans of Actions for Next Academic Year

• Upgradation of existing laboratories and purchase of equipment to promote student projects and research activities of faculty members. • Organization of seminar and workshop by the IQAC to promote the quality improvement strategies in teaching-learning, research, extension related and co-and extracurricular activities. IQAC is also planning to publish a handbook on quality assurance in this context for wide circulation. • Organization of workshop for E-content development at a larger scale and duration to promote the use of E-resources among all faculty members. The use of Learning Management System (LMS) for

regular teaching, learning and evaluation related activities by maximum number of teachers will be encouraged. • To improve in research articles, books, book chapters and conference proceedings published by students and faculty members. • To strengthen RD activities • To encourage faculty members to complete their doctoral degrees and to continue research activities through quality publications and research projects. • To Promote participation of students and staff in seminars, workshops, sports and cultural activities organized by the college and external agencies.