Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SRI SIVANI COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. B. Murali Krishna**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08942231106**
Mobile no.	**7382651411**
Registered Email	**iqacssce@gmail.com**
Alternate Email	**info@srisivani.com**
Address	**Chilakapalem NH-16, Near Toll Plaza Etcherla**
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.	**08942231106**
Mobile no.	**9440376522**
Registered Email	**iqacssce@gmail.com**
Alternate Email	**info@srisivani.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://srisivani.com/wp-content/uploads/2023/08/AQAR_SSCE_2017-18.pdf

4. Whether Academic Calendar prepared during the year	**No**

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**B**	**2.17**	**2014**	**14-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
Outcome based education and accreditation	**24-Sep-2018** **5**	**103**
Development of laboratory instruction and manual	**04-Feb-2019** **5**	**110**

| Evaluating students performance designing question papers | 25-Feb-2019 5 | 65 |

L::asset('/'),'public/').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.$instdata->upload_special_status)}}

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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!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View Link](#)

10. Number of IQAC meetings held during the year :	4
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 of workshops, seminars on quality related themes • Development programmes for Faculty and Students • Conducting core competitive classes such as GATE • IQAC is constantly evaluating teaching learning 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
7. Continuous monitoring the quality of	7. The continuous monitoring of

teaching learning process by IQAC committee	teaching learning process by IQAC results in the increase of pass percentage of students.
6. Renovation of Central computing lab	6. Central computing lab with additional facilities has been provided that facilitate the students to work with latest software's.
5. Establishment of solar power system for efficient resource utilization	5. Agreement for the establishment of Solar power system has been completed
4. Organization of more career Guidance activities to increase the quality and quantity of placements	4. More career oriented programs have been organized and the quality of placements has been increased
3. Organization of Faculty development programs for to promote outcome based education and learning abilities of students	3. Various number of faculty development programs have been conducted in collaboration with NITTR to improve the quality of Teaching learning process
2. Conduction of workshops on innovative methods to fill the industrial gaps	2. Departments have conducted workshops on current trends with eminent resource persons to fill the gap between industry and curriculum
1. Promotion of Quality Research	1. No. of quality papers published by faculty in reputed journals has been increased
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body Meeting	05-Mar-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	24-Jan-2019
17. Does the Institution have Management Information System ?	No

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

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/entrepreneurship	Skill Development
A One week program on SCILAB	nil	06/07/2018	6	employability	SCILAB
A Two week program on Processing of Polymers and polymer Compositer	nil	16/07/2018	13	employability	POLYMERS
A Two week program on Revit Architecture	nil	20/08/2018	13	employability	REVIT ARCHITECTURE
A one weekprogram on Android	nil	21/06/2018	6	employability	ANDROID DEVELOPMENT

development certificatio n					
A one weekprogram on Advanced Python	nil	28/06/2018	6	employabil ity	PYTHON
A One week program on Embeded systems	nil	30/06/2018	6	employabil ity	EMBEDDED SYSTEMS
A Two week program on Industrial Automation with PLC SCADA	nil	20/08/2018	13	employabil ity	PLCSCADA
A Two week program on AWS(Amazon Web Services)	nil	27/08/2018	13	employabil ity	AWS
A Two week program on Advancement of communica tion skills	nil	03/09/2018	12	employabil ity	COMMUNICAT ION SKILLS
A One week program on IOT	nil	03/09/2018	12	employabil ity	IOT
A Two week program on MAT lab Based Image processing	nil	05/11/2018	12	employabil ity	MATLAB
A Two week program on Digital Marketing	nil	19/11/2018	13	employabil ity	DIGITAL MARKETING
A Two week program on ORCAD	nil	04/02/2019	12	employabil ity	ORCAD
A Two week program on Designing of electrical machinery by using AUTO CAD electrical	nil	04/02/2019	12	employabil ity	AUTOCAD
A Two week program on RS GIS	nil	11/02/2019	13	employabil ity	RS GIS APPLICATIONS

applications in Civil Engineering					
A Two week program on Design and manufacture with fusion 360	nil	11/02/2019	13	employabil ity	fusion 360

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	11/06/2018
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	11/06/2018
BTech	MECHANICAL ENGINEERING	11/06/2018
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	11/06/2018
BTech	COMPUTER SCIENCE ENGINEERING	11/06/2018
MBA	HR	13/08/2018
MBA	FINANCE	13/08/2018
Mtech	DECS	27/08/2018
Mtech	PE	27/08/2018
Mtech	VLSI	27/08/2018
Mtech	CSE	27/08/2018

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

	Certificate	Diploma Course
Number of Students	1221	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
A one weekprogram on Android development certification	21/06/2018	67
A one weekprogram on Advanced Python	28/06/2018	59
A One week program on	30/06/2018	57

Embeded systems		
A One week program on SCILAB	06/07/2018	61
A Two week program on Processing of Polymers and polymer Compositer	16/07/2018	126
A Two week program on Revit Architecture	20/08/2018	52
A Two week program on AWS(Amazon Web Services)	27/08/2018	147
A One week program on IOT	03/09/2018	74
A Two week program on Design and manufacture with fusion 360	11/02/2019	101
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engg.	50
BTech	Electrical & Electronics Engg.	61
BTech	Mechanical Engg.	94
BTech	Electonics & Communication Engg.	80
BTech	Computer Science & Engg	87
MBA	HR & FINANCE	48
Mtech	CSE	1
Mtech	VLSI	1
Mtech	PE	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	Computer Science Engg.	120	82	82
BTech	Electonics & Comm Engg.	120	48	48
BTech	Mechanical Engg.	120	104	104
BTech	Electrical & Electronics Engineering	120	42	42
BTech	Civil	60	53	53
MBA	MBA	60	49	49
Mtech	VLSI	18	9	9
Mtech	DECS	18	7	7
Mtech	Power Electronics	18	13	13
Mtech	CSE	18	13	13
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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
2018	1226	165	110	25	6

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
141	120	15	9	5	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
1391	141	1:10

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
12	12	0	12	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
2018	Dr B.Murali Krishna	Principal	Outstanding Researcher award from association of Green ThinkerZs, IIT Bombay, I2OR and NIITTR-C.
2018	Dr G.T Chandra Sekhar	Associate Professor	Awarded Young leader in Engineering during the Higher Education Leadership Meet-HELM 2018 by Venus International Foundation, Chennai, India. (Dt. 6th January 2018)

2018	Dr Janmenjoy Nayak	Associate Professor	Best Researcher Award, JNTUK

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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
Mtech	MTech	II/I	08/08/2019	02/11/2019
Mtech	MTech	I/I	04/02/2019	03/05/2019
BTech	B.Tech	I/II	03/11/2018	25/12/2018
BTech	B.Tech	II/II	20/04/2019	15/06/2019
BTech	B.Tech	I/III	05/11/2018	15/12/2019
BTech	B.Tech	II/III	20/04/2019	10/06/2019
BTech	B.Tech	I/IV	03/11/2018	03/12/2018
BTech	B.Tech	II/IV	20/04/2019	05/06/2019
BTech	BTech	I/I	22/11/2018	07/01/2019
BTech	BTech	II/I	11/05/2019	07/07/2019

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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-2018-19.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	50	46	92
02	BTech	EEE	61	58	95
03	BTech	MECH	94	87	96
04	BTech	ECE	80	77	96
05	BTech	CSE	87	85	98
57	Mtech	VLSI	6	5	83
43	Mtech	PE	14	13	93
58	Mtech	CSE	13	12	92
IE	MBA	MBA	50	47	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)

http://srisivani.com/wp-content/uploads/2023/09/SSS_2018-19.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
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
A ONE DAY SEMINAR ON USEFUL TIPS ON MEETING REGULATORY REQUIREMENTS FOR RESEARCH	Mech	06/08/2018
A one day seminar on intellectual property rights: changing dimensions of patent laws in India	MBA	30/08/2018
Guest lecture on "Startups	Mech	12/10/2018

Entrepreneurship"			
A ONE DAY SEMINAR ON FINDING A BALANCE: MANAGING YOUR WORK AND LIFE RESPONSIBILITIES In RESEARCH	CSE	29/11/2018
A one day workshop on Entrepreneurship Explored: Carving Your Career Path	CSE	29/12/2018
A one day seminar on challenges in intellectual property rights	MBA	22/01/2019
A ONE DAY SEMINAR ON WORKING WITH INDUSTRY: WHY COLLABORATIONS ARE IMPORTANT	Mech	31/01/2019
A one day seminar on intellectual property rights:creating awareness about patents, copy rights and enterpreneurship	Mech	20/02/2019
A one day workshop on Risk and Reward in Entrepreneurship: Navigating the Critical Implications of Embracing or Avoiding Risks	Civil	28/03/2019
Expert Lectures on Innovations and Entrepreneurship	EEE	28/03/2019
A ONE DAY SEMINAR ON RESEARCH TO INNOVATION NEW PATHWAYS FOR STUDENT	Civil	16/04/2019
A one day seminar on contemporary issues in intellectual property rights	MBA	26/04/2019

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
Awarded Young Achiever Award	Dr G T Chandra Sekhar	Electrical Electronics Engineering by Institute for Exploring Advances in Engineering	08/07/2018	Research
Outstanding Researcher award	Dr. B. Murali Krishna	Green ThinkerZs, IIT Bombay, I2OR	09/01/2019	Research

Best Researcher	Dr. Janmenjoy Nayak	JNTUK	28/12/2018	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
18	15	6

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	EEE	4	2
International	MECH	4	1
International	ECE	4	1
International	CSE	6	3
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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
EEE	8
CSE	12
MECH	6
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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 the publication	Number of citations excluding self citation
A novel modified differential evolution algorithm	G T Chandra Sekhar	Int. Journal of Electrical Systems and Information	2018	0	Sri Sivani College of Engg	14

optimized fuzzy proportional integral derivative controller for load frequency control with thyristor controlled series compensator		Technology				
Bacterial Foraging Optimization Algorithm based Proportional Integral Derivative controller for Load Frequency Control under Deregulated Environment	G T Chandra Sekhar	International Journal of Advance Research in Science and Engineering	2018	0	Sri Sivani College of Engg	0
eural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters	Janmenjoy Nayak	Expert Systems with Applications	2018	6.36	Sri Sivani College of Engg.	26
A hybrid elicit teaching learning based optimization with fuzzy c-means (E TLBO-FCM) algorithm for data clustering	Janmenjoy Nayak	Ain Shams Engineering	2018	2.69	Sri Sivani College of Engg	14
An Efficient Approach	Janmenjoy Nayak	IJSRCSAMS	2018	0	Sri Sivani College of	0

Feature selection generating directed rough-spanning tree for crime pattern analysis	Janmenjoy Nayak	Neural Computing and Applications-Springer	2019	4.68	Sri Sivani College of Engineering	5
A framework for crime data analysis using relationship among named entities	Janmenjoy Nayak	Neural Computing and Applications-Springer	2019	4.68	Sri Sivani College of Engineering	3
Differential evolution algorithm tuned tilt integral derivative controller with filter controller for automatic generation control	G T Chandra Sekhar	Evolutionary Intelligence	2019	2	Sri Sivani College of Engg	9

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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
Design and analysis of BFOA optimised PID controller with derivative filter for	Tulasichandra Sekhar Gorripotu	Int. J. Automation and Control	2018	18	8	Sri sivani College of Engineering

frequency regulation in distributed generation system						
A novel modified differential evolution algorithm optimized fuzzy proportional integral derivative controller for load frequency control with thyristor controlled series compensator	Tulasichandra Sekhar Gorripotu	Journal of electrical systems and information technology	2018	17	16	Sri sivani College of Engineering
Black hole optimised cascade proportional derivative -proportional integral derivative controller for frequency regulation in hybrid distributed power system	Tulasichandra Sekhar Gorripotu	International Journal of Swarm Intelligence	2019	8	13	Sri sivani College of Engineering
Neural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters	Janmenjoy Nayak	Expert Systems with Applications	2018	222	22	Sri sivani College of Engineering
A hybrid elicit	Janmenjoy Nayak	Ain Shams Engi	2018	54	60	Sri sivani

Title	Author	Journal	Year			College
teaching learning based optimization with fuzzy c-means (ETLBO-FCM) algorithm for data clustering		neering Journal				College of Engineering
A novel honey-bees mating optimization approach with higher order neural network for classification	Janmenjoy Nayak	Journal of Classification	2018	44	43	Sri sivani College of Engineering
Experimental Investigations on Wear Behavior of AA2024-Flyash-Nanostructured Redmud Hybrid Composites Synthesized by Stircasting	Murali Krishna. B	International Journal of 'Surface Engineering and Interdisciplinary Materials Science	2018	4	5	Sri sivani College of Engineering
Attribute-Based Multiple User Authentication And Anonymous Data Sharing Scheme Revisited In Cloud Computing	Dr. Rajendra Kumar Ganiya	IOSR Journal of Engineering	2018	15	5	Sri sivani College of Engineering
A New Enhancement Technique using EEE Protocol in WSNs	Dr. Rajendra Kumar Ganiya	International Journal of Research	2018	15	4	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	0	110	0	30
Presented papers	5	15	0	25
Resource persons	0	2	0	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
Vanam - Manam	Munipeta village	2	56
Blood Donation camp	Red Cross Society	4	108
Swatchh Bharat on NSS Foundation day	Munipeta village	2	37
Voters awareness programme	RDO, Srikakulam	8	236
Collected TITLEE relief fund	AP State Government	4	97
Children's Day 2k Run	Etcherla High School	7	153
Kishore vikasam awareness of various mandal school	District Women development and Child welfare department, Srikakulam District	9	238
Traffic Awareness Programme	Etcherla Police station	6	186
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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
Vanam - Manam	Appreciation	Village Panchayat	56
Blood Donation camp	Appreciation	Red cross society	108
Swatchh Bharat on NSS Foundation day	Appreciation	Village Panchayat	37
Traffic Awareness Programme	Appreciation	Etcherla Police station	186
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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
Swachh Bharaat	Govt of AP	Swachhatha	56	256
Voters Day	District Collector	Ready to Vote	11	127
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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
FDPs	Faculty (72)	SSCE	5
Industrial Visit	Students	SSCE	1
Interships	Students	SSCE	30
No file uploaded.			

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
Internship	Internship	NSS – SWATCH BHARAT	18/05/2018	30/06/2018	K BHUVAN CHANDRA
Internship	Internship	Kishori mano vikas	18/05/2018	30/06/2018	TADI JAGAP ATHIBABU
Internship	Internship	400/220KV Grid Substation	18/05/2018	30/06/2018	M.A.V.VIDY ASAGAR
Internship	Internship	BHEL-HPVP	18/05/2018	30/06/2018	G.SAI RAM
Internship	Internship	STEELPLANT	18/05/2018	30/06/2018	B.Jayaprakash
Internship	Internship	REEDYS LABOURATORY	18/05/2018	30/06/2018	U.Vineetha
Internship	Internship	DHARAMANA TVS	18/05/2018	30/06/2018	V.Sanmukharao
Internship	Internship	HMI	18/05/2018	30/06/2018	B.Sateesh
Internship	Internship	BHEL	18/05/2018	30/06/2018	L.PRAVEEN KUMAR
Internship	Internship	BHARAT SANCHAR NIGAM	18/05/2018	30/06/2018	DURGA SANJULA

	LIMITED (BSNL) SRIKAKULAM	

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
TCS-ION	11/07/2017	Training and development for faculty and CRT for students	135
Indwell Institute of Technology, Pune	22/09/2016	Training Research in advanced industrial Automation	72
Sam Piston and Rings	17/03/2016	Industrial Visits	68
IIT Bombay	30/01/2017	Certified Courses Training	216
GIET Engineering College	05/07/2018	FDPs, Guest Lectures	264
HMI Engineering	02/07/2018	Internships, Training progrmas	54
Dr Samuel George Institute of Engineering Technology	01/08/2018	FDPs, Guest Lectures	12
K.S.R.M COLLEGE OF Engineering (Autonomous) C.K. Dinne Mandal, Kadapa dist, A P - 516 003	13/08/2018	FDPs, Guest Lectures	18
West Godavari Institute of Science Engineering	01/08/2018	FDPs, Guest Lectures	53
RGUKT, Srikakulam	06/09/2018	Faculty exchange for guest lectures, Labrotories	118
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
600	587.86

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

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4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	3370	1697726	288	147419	3658	1845145
Reference Books	559	55500	109	15600	668	71100
e-Books	1346	0	0	0	1346	0
Journals	72	180273	15	23852	87	204125
e-Journals	1185	32870	7814	101429	8999	134299
Digital Database	24	144000	0	0	24	144000
CD & Video	1327	0	0	0	1327	0
Library Automation	1	13700	1	13700	2	27400

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	627	528	140	528	10	18	94	140	0
Added	0	0	10	0	0	0	0	10	0
Total	627	528	150	528	10	18	94	150	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Ecap	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
160	153	20	16

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 wellbeing 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 Body building.

http://www.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	Scholar	152	546034
Financial Support from Other Sources			
a) National	Welfare scheme	1085	38011100
b)International	None	0	0
[View File](#)			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill development	18/06/2018	956	SSCE
Remedial coaching	15/10/2019	259	SSCE
Bridge Course	12/07/2018	150	SSCE
Language lab	13/08/2018	152	SSCE
Counselling and Mentoring	18/06/2018	956	SSCE
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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
2018	GATE Coaching	235	409	5	206
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	7

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	252	175	23	110	31
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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
2019	5	BTECH	EEE,CSE	universities, Affiliated colleges	mtech, 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
GATE	2
Any Other	3

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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	Institute	51
INDEPENDENCE DAY	Institute	60
FRESHERS DAY	Institute	46
DUSSEHRA SAMBARALU	Institute	42
SANKRANTI SAMBRALU	Institute	85
REPUBLIC DAY	Institute	61
ANNUAL DAY	Institute	81
FARWELL	Institute	70
UGADI CELEBRATIONS	Institute	55

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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
2018	JNTUK decinial celebrations	National	9	10	15W61A0386	M TEJA
2019	Nill	National	2	21	Nill	Nill

No file uploaded.

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

5.4.2 – No. of enrolled Alumni:

258

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

10000

5.4.4 – Meetings/activities organized by Alumni Association :

2

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
2018	Dr. Janmenjoy Nayak	Cloud Computing	Nill	500
2018	Dr.G.T.Chandra Sekhar	Application of Embedded Systems to Internet of Things	Nill	750
2018	Dr. Janmenjoy Nayak	Dr. Janmenjoy Nayak Application of Embedded Systems to Internet of Things	Nill	750
2018	S. V. N. Sunil Kumar	Waste Management for Sustainable Development	Nill	500
[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)
2018	Outcome based Education and Accreditation	Nill	24/09/2018	28/09/2018	103	Nill
2018	Organizational Behaviour	Nill	12/11/2018	16/11/2018	102	Nill
2018	Introduction to Network Security	Nill	03/12/2018	07/12/2018	51	Nill
2019	Development of Laboratory Instruction and Manual	Nill	04/02/2019	08/02/2019	110	Nill
2019	Problem	Nill			110	Nill

	based learning		11/02/2019	15/02/2019		
2019	Modern manufacturing systems	Nill	18/02/2019	22/02/2019	22	Nill
2019	Evaluating students performance designing question papers	Nill	25/02/2019	01/03/2019	65	Nill
2019	Measurement and control for industrial automation	Nill	11/03/2019	15/03/2019	54	Nill
2019	Nill	Maintenance of Stock Register	16/05/2019	17/05/2019	Nill	18
			View File			

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
Outcome based Education and Accreditation	103	24/09/2018	28/09/2018	5
Organizational behaviour	102	12/11/2018	16/11/2018	5
Introduction to network security	51	03/12/2018	07/12/2018	5
Development of laboratory instruction and manual	110	04/02/2019	08/02/2019	5
Problem based learning	110	11/02/2019	15/02/2019	5
Modern manufacturing systems	22	18/02/2019	22/02/2019	5
Evaluating students performance designing question papers	65	25/02/2019	01/03/2019	5

| Measurement and control for industrial automation | 54 | 11/03/2019 | 15/03/2019 | 5 |

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
12	12	8	8

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Insurance	Health Insurance	Health Insurance

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 !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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 and University Appointed FACTS commitee
Administrative	Yes	JNTUK	Yes	Principal 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	Yes
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
2018	Outcome based Education and Accreditation	24/09/2018	24/09/2018	28/09/2018	103
2018	Organizational Behaviour	12/11/2018	12/11/2018	16/11/2018	102
2019	Problem based learning	11/02/2019	11/02/2019	15/02/2019	110
2019	Development of Laboratory Instruction and Manual	04/02/2019	04/02/2019	08/02/2019	110
No file uploaded.					

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	08/03/2019	08/03/2019	182	50
Gender Equality and Women Impowerment	20/12/2019	20/12/2019	145	55

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	3
Rest Rooms	Yes	3
Scribes for examination	Yes	1
Provision for lift	No	Nill
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nill
Special skill development for differently abled students	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and 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
2018	1	1	08/12/2018	1	Cashless Transaction	Cashless Transaction	56
2019	1	1	09/03/2019	1	Medical Camp	Health Problems	38
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

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-along-with-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.