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Annual Reports

During Assessment

Period 2018-19 to 2022-23



SRI SIVANI COLLEGE OF ENGINEERING

(Under the Management of Sri Sivani Educational Society, Srikakulam)
(Approved by AICTE, New Delhi and Affiliated to JNTUGV, Vizianagaram-CC-W6
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)
NH-16, Chilakapalem Jn., Srikakulam Dist. Andhra Pradesh -532410
Andhra Pradesh -532410



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NH-16, Chilakapalem Jn., Srikakulam Dist -532410

ANNUAL REPORT

2022-23

RESEARCH PUBLICATIONS

S.No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal
1.	Two-degree-of-freedom tilt integral derivative controller-based firefly optimisation for automatic generation control of restructured power system	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Computer Applications in Technology
2.	Frequency regulation of hybrid power system using firefly algorithm	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Innovative Computing and Applications
3.	Computational analysis of a knuckle joint and implementation of the generalized regression neural network	J. BALA BHASKARA RAO	MECH	International Journal of Neuroquantology
4.	Optimizing the design of a fly wheel using machine learning	J. BALA BHASKARA RAO	MECH	International Journal of Neuroquantology
5.	Synergistic removal of 1-(4-hydroxy-3-methoxyphenyl) ethenone (Apocynin) with enhanced immobilized and suspended Sr-doped LaNiO ₃ based photocatalytic membrane reactor under gamma irradiation	YENDA. SRINIVASA RAO	MECH	Global NEST Journal
6.	Investigation of copper ion adsorption using sawdust powder: isotherm, kinetic and thermodynamic studies	YENDA. SRINIVASA RAO	MECH	Global NEST Journal
7.	Biosynthesis of Iron Oxide Nanoparticles Using Leaf Extract of <i>Ruellia tuberosa</i> : Mechanical and Dynamic Mechanical Behaviour Kevlar-Based	YENDA. SRINIVASA RAO	MECH	Bioinorganic Chemistry and Applications

	Hybrid Epoxy Composites			
8.	Biosynthesis-Based Al ₂ O ₃ Nanofiller from Cymbopogon citratus Leaf/Jute/Hemp/Epoxy-Based Hybrid Composites with Superior Mechanical Properties	YENDA. SRINIVASA RAO	MECH	Bioinorganic Chemistry and Applications

ORGANISED SEMINARS AND WORKSHOPS

S.No	Name of the Workshop/ Seminar	Number of Participants	Date	Resource Person with Designation
1.	A One Day Seminar on R&D for the Future: Trends, Technologies and Tactics	20	16-09-2022	Dr. K. RAGINI, PROFESSOR, R&D CELL, BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY, GORAGANAMUDI, A.P.
2.	A One-Day Research Seminar On "Fluid Dynamics and Its Applications in Mechanical Engineering"	35	16-02-2023	Dr. HEMALATHA SOMIREDDY, ASSOC.PROF, RAGHU ENGINEERING COLLEGE, VISAKHAPATTANAM
3.	A One-Day Research Seminar On "Software Development Best Practices: From Coding to Deployment"	35	25-03-2023	MR. G.B. RAJU, DEPT. CSE, GONNA INSTITUTE OF INFORMATION TECHNOLOGY AND SCIENCES, AGANAMPUDI, VSP, AP.
4.	A One-Day Seminar on Wireless Communication Breakthroughs: Advancements in ECE R&D	30	26-04-2023	DR. V. SURYANARAYANA, PROF, DEPT. OF ECE

FACULTY ATTENDED CONFERENCES

S.No	Name of the Faculty	Title of the Paper	Name of the Conference
1	G.T. CHANDRA SEKHAR	Moth Flame Optimization Algorithm Optimized Modified TID Controller for Automatic Generation Control of Multi Area Power System	International Conference on Computational Intelligence in Pattern Recognition

ORGANISED FACULTY DEVELOPMENT PROGRAMMES

S.No.	FDP Title	Date and Duration	Number of Participants
1	Innovations in Transportation Engineering and Traffic Management	25.07.2022 to 29.07.2022	27
2	Internet of Things (IoT) and Edge Computing: Challenges and Opportunities	22.08.2022 to 26.08.2022	35
3	5G and Beyond: Next-Generation Wireless Communication	19.09.2022 to 23.09.2022	37
4	Power Systems and Renewable Energy Integration	05.12.2022 to 09.12.2022	30
5	Robotics and Automation in Manufacturing Processes	30.01.2023 to 03.02.2023	32
6	Teaching Ethics and Values in Higher Education	17.04.2023 to 21.04.2023	38
7	Effective Communication Skills for Engineering Educators	25.08.2022	28

SOFT SKILLS AND LIFE SKILLS PROGRAMMES

S.No	Name of the Capacity Development and Skills Enhancement Programme	Date of Implementation	Name of the Person
1	Promoting Soft Skills for Positive Attitude	23-01-2023 to 25-01-2023	MR.B.H.K. CHOWDARY 9440841249
2	Fire Safety Precautions	16.02.2023	MR G BHASKAR 9547733217

WORKSHOPS/SEMINARS CONDUCTED ON R&D, IPR & EDC CELL

S.No	Name of the Programme	Resource Person	Date	No.of Participants
1.	A ONE DAY SEMINAR ON R&D FOR THE FUTURE: TRENDS, TECHNOLOGIES, AND TACTICS	DR. K. RAGINI, PROFESSOR, R&D CELL, BHIMAVARAM INSTITUTE OF ENGINEERING & TECHNOLOGY, GORAGANAMUDI, A.P.	16-09-2022	40
2.	A one day research seminar on "Fluid Dynamics And Its	DR. HEMALATHA SOMIREDDY, ASSOC.PROF, RAGHU ENGINEERING	16-02-23	32

	Applications In Mechanical Engineering"	COLLEGE, VISAKHAPATTANAM		
3.	A one day research seminar on "Software Development Best Practices: From Coding To Deployment"	MR. G.B. RAJU, DEPT. CSE, GONNA INSTITUTE OF INFORMATION TECHNOLOGY AND SCIENCES, AGANAMPUDI, VSP, AP.	25-03-23	35
4.	A one day seminar on wireless communication breakthroughs: advancements in ECE R&D	DR. V. SURYANARAYANA, PROF, DEPT. OF ECE	26-04-23	30
5.	A one-day workshop on lessons from young entrepreneurs.	DR. A. KANTHI, YOUNGENTREPRENEUR, SURYA SOFTLINE SOLUTIONS, SRIKAKULAM, A.P	21-10-22	41
6.	A one day seminar on importance of intellectual property rights in modern global economic environment	DR. B. PRASADA RAO, ASSISTANTPROFESSOR, DEPARTMENT OF MBA, SRI SIVANI COLLEGE OF ENGINEERING, SRIKAKULAM DISTRICT, ANDHRA PRADESH.	12-08-2022	38

STUDENTS OPTED FOR HIGHER EDUCATION

NO students have opted for higher education.

PLACEMENT DETAILS

A total of 159 students were placed.

S.No	Name of the Employer/Company	No. of students placed
1	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, info@cominds.co, 91 8977-184-174	6
2	Crosera, Mothilal Nagar, Hyderabad, info@crosera.com, 9030208255	41
3	Dhenusya Infotech Pvt Ltd, Vishakhapatnam, +918309805909, Director@Dhenusya.Com	1
4	Duf6 Technologies, Hyderabad, info@duf6.com, 040-48562592	14

5	Edigi Skills, Hyderabad, info@edigiskills.org, 91-9441316435	14
6	Eximietas, Bangalore, infor@eximietas.design, 91-9606024267	1
7	G G Construction, Gajuwaka, 8555854279	9
8	HMI Engineering Services, 8885534495	5
9	Intelnet Global Solutions, West Bengal, 03366502718	2
10	Miracle Software Systems, Inc, Vizianagram,7989163643, Vvarupala@Miracle.Com	3
11	O & M Solutions, Odisha, 916742552984	6
12	Piston Screws Engineering Pvt. Ltd, 9493928801, info@pistonscrewsengg.com	1
13	Rugveda, Srikakulam, 8886188087	4
14	RVS Quality Certifications Pvt Ltd, 9701113344	6
15	SB Engineering work, Hyderabad, info@sbengineeringworks.com, 040-48590077	4
16	Surya Softline Systems, 996636028	7
17	Surya Tech Solutions, Hyderabad,7207299444	8
18	Tcs, Hyderabad, Careers@Tcs.Com	3
19	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	11
20	TWECH MAP IT Pvt.Ltd.,Srikakulam, 8374471270	2
21	Vishwasamudra, Vijiyawada, 914067996799,	1
22	Xvidia Media Pvt Ltd, Gurgaon (Haryana), 08048361266	10

INDUSTRIAL VISIT

S.No	Course	Year/ Semester	Place Visit	Duration	No.of Students Attended
1	B.Tech - Civil	II/II	Thotapally Barrage	1 DAY	16
2	B.Tech - MECH	III/I	MSME, Achuthapuram	1 DAY	43
3	MBA	I/II	Potti Sriramulu Market, Srikakulam	1 DAY	50

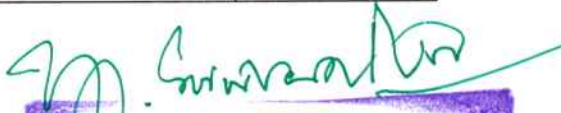
TRAINING PROGRAMMES FOR NON TEACHING STAFF

A Training program on "Effective Communication Skills for Engineering Educators " to the participants was organized on DATE(25-08-2022) to Non-Teaching Staff.

S. No.	Academic Year	Name of the Administrative Development Program	Date	Number of Participants
1	2022-23	A one day ADP on Effective Communication Skills for Engineering Educators	25.08.2022	28

EXTENTION ACTIVITIES

S.No	Name of the Activity & Guest	Venue	Date
1	World Environment Day Rally	SSCE Civil Engineering Department	05-06-2022
2	International Anti-Drug Awareness Campaigning	Special Enforcement Bureau Station, Srikakulam	24-06-2022
3	Vanamahotsavam	SSCE EEE Department	01-07-2022
4	HAR GHAR TIRANGA RALLY	Sri Sivani College of Pharmacy	11-08-2022
5	NSS DAY - Plantation	NSS Unit in Association with ECE Department of SSCE	24-09-2022
6	Swachh Bharat	Nakkapeta Village	19-10-2022
7	National Unity Day - Unity Run	NSS Unit in Association with Mechanical Department of SSCE	31-10-2022
8	AIDS DAY Awareness Rally	SSCE NSS Unit in Association with SSCP	01-12-2022
9	Road Safety Rally	NSS Unit in Association with MBA Department of SSCE	05-01-2023
10	Blood Donation	JCM - Srikakulam Green City	07-02-2023


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2021-22

RESEARCH PUBLICATIONS

S.No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal
1.	Design of a fuzzy logic controller for short-term load forecasting with randomly varying load	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Sociotechnology and Knowledge Development (IJSKD)
2.	Design and analysis of search group algorithm-based PD-PID controller plus redox flow battery for automatic generation control problem	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Computer Applications in Technology
3.	Tuning of extended Kalman filter using grey wolf optimisation for speed control of permanent magnet synchronous motor drive	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Automation and Control
4.	Design and implementation of a nonlinear controller and observer for inverter fed permanent magnet synchronous motor drive using dSPACE DS1103 controller board	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Automation and Control
5.	Integrated multi-input DC-DC converter with reduced switches	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Transactions on Electrical Energy Systems
6.	A Brief Study on IoT Concepts	D. PRIYANKA	CSE	International Journal of Scientific Research in Engineering and Management (IJSREM)

ORGANISED SEMINARS AND WORKSHOPS

S.No	Name of the Workshop/ Seminar	Number of Participants	Date	Resource Person with Designation
1.	A ONE DAY WORKSHOP ONRESEARCHAND DEVELOPMENT	42	09-02-2022	Mr. Y. SURESH, HOD, MECH, GONNA INSTITUTE OF INFORMATION TECHNOLOGY AND SCIENCES, AGANAMPUDI, VSP, A.P.
2.	A One-Day Seminar on Research Trends in Soft Skills	35	16-03-2022	SRI. MADHUKUMAR KALLAKURI, ASST. PROF OF ENGLISH, DEPT OF H&BS
3.	A One Day Seminar on Research on Advancement of IOT	46	26.04.2022	MR. CH. KRISHNA RAO PROFESSOR, EEE DEPT. AITAM, TEKKALI SRIKAKULAM, A.P.

FACULTY ATTENDED CONFERENCES

S.No	Name of the Faculty	Title of the Paper	Name of the Conference
1.	G.T. CHANDRA SEKHAR	Fractional-Order Euler–Lagrange Dynamic Formulation and Control of Asynchronous Switched Robotic Systems	Proceedings of Third International Conference on Sustainable Computing

ORGANISED FACULTY DEVELOPMENT PROGRAMMES

S.No.	FDP Title	Date and Duration	Number of Participants
1	Sustainable Construction Practices and Green Building Technologies	12.10.2021 to 16.10.2021	27
2	Cybersecurity and Network Defense: Threats and Countermeasures	23.11.2021 to 27.11.2021	38
3	Advances in Digital Signal Processing for Communication Systems	20.12.2021 to 24.12.2021	43
4	Advanced Power Electronics for Sustainable Energy Solutions	18.01.2022 to 22.01.2022	32

5	Recent Advances In Composite Materials For Engineering Applications	15.02.2022 to 19.02.2022	25
6	Positive Psychology and Well-being at Workplace	22.03.2022 to 26.03.2022	26

SOFT SKILLS AND LIFE SKILLS PROGRAMMES

S.No	Name of the Capacity Development and Skills Enhancement Programme	Date of Implementation	Name of the Person
1	Promoting Soft Skills for Public Relations	27-01-2022 to 29-01-2022	MR M.GOVINDA RAO 9885949538
2	My Health - My Responsibility	13.12.2021	DR.P.V.GIRI 9891882264

WORKSHOPS/SEMINARS CONDUCTED ON R&D, IPR & EDC CELL

S.No	Name of the Programme	Resource Person	Date	No.of Participants
1.	A one day seminar on latest trends in research	MR. BATTINA TATALU, PROFESSOR, DEPARTMENT OF H&BS, SRI SIVANI COLLEGE OF ENGINEERING.	16.10.21	30
2.	A one day seminar on research and development	MR. Y. SURESH, HOD, MECH, GONNA INSTITUTE OF INFORMATION TECHNOLOGY AND SCIENCES, AGANAMPUDI, 35VSP, A.P.	09-02-22	43
3.	A one day seminar on research trends in soft skills	SRI. MADHUKUMAR KALLAKURI, ASST. PROF OF ENGLISH, DEPT OF H&BS	16-03-22	35
4.	A one day seminar on Research on ADVANCEMENT OF IOT	MR. CH. KRISHNA RAO PROFESSOR, EEE DEPT. AITAM, TEKKALI SRIKAKULAM, A.P.	26.04.22	46
5.	A ONE-DAY WORKSHOP ON CAREER GUIDANCE "NEXT STEPS AFTER B. TECH"	DR. RAM DAYANI, PROFESSOR, ENGLISH DEPT. BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY, GORAGANAMUDI, A.P	28-01-22	41

6.	A ONE-DAY WORKSHOP ON TITLED BRIDGING THE GAP FROM IDEAS TO INNOVATION.	MR. P.SHEELA,ASST.PROFESSOR, DEPT. OF CSE, WEST GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY,TADEPALLIGUDEM, A.P	16-04-22	49
7.	A ONE-DAY WORKSHOP ON TITLED BTECH CAREER ROAD MAP TO SUCCESS.	MR. P.SUMAN,ASST.PROFESSOR, DEPT. OF MECH, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT,TEKKALIA.P	11-09-22	37
8.	A one day seminar on challenges in intellectual property rights	MR. K. RAVI KUMAR, ASSISTANT PROFESSOR, DEPARTMENT OF MBA, SRI SIVANI COLLEGE OF ENGINEERING, SRIKAKULAM DISTRICT, ANDHRA PRADESH.	21-12-2021	37
9.	A one day seminar on Intellectual Property Rights:Creating awareness about patents,copy rights	MRS. CH. KEERTHANA, ASSISTANT PROFESSOR, DEPARTMENT OF MBA, SRI SIVANI COLLEGE OF ENGINEERING, SRIKAKULAM DISTRICT, ANDHRA PRADESH.	24-02-2022	39
10.	A one day seminar on Contemporary issues in Intellectual Property Rights	MR.J.KIRAN CHANDRA SEKHAR , ASSOCIATE PROFESSOR, RAJAMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY ,RAJAMAHENDRAVARAM , A.P.	24-03-2022	38

STUDENTS OPTED FOR HIGHER EDUCATION

2021	Bairi Sai Kumar	B.Tech - CE	2021	IIT Bhubaneswar	M.Tech
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PLACEMENT DETAILS

A total of 324 students were placed.

S.No	Name of the Employer/Company	No. of students placed
1	Capgemini, Thane, Mumbai, +1 2271444283	1
2	Capgemini,Pune,	1
3	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, Info@Cominds.Co, 91 8977-184-174	5
4	Crosera, Mothilal Nagar, Hyderabad, Info@Crosera.Com, 9030208255	51
5	D.E.C Infrastructure Pvt Ltd, Vishakhapatnam,Decinfrafin@Gmail.Com	1
6	Duf6 Technologies, Hyderabad, Info@Duf6.Com, 040- 48562592	29
7	Edigi Skills, Hyderabad, Info@Edigiskills.Org, 91- 9441316435	43
8	G G Construction, Gajuwaka, 8555854279	7
9	<u>Hcl Technologies Ltd.Register Office Bob Siddarth96.Nehrupalace.Newdelhi-110019,+91 1204683030</u>	1
10	Hesaware Technologies Ltd., Navi Mumbai,400710,+91 2267919595, Campusconnect@Hexaware.Com	1
11	HMI Engineering Services, 8885534495	7
12	Infosis, Electronics City, Hosur Road, Banglore, 560100, +91 8028520261, Askus@Infosys.Com	1
13	Intelnet Global Solutions, West Bengal, 03366502718	6
14	Kmv Projects Hyderabad, 040 3017 1111	2
15	Lotus Wireless Technologies, Vishakhapatnam,	1
16	MIRACLE SOFTWARE Systems, Lawsons Bay Colony Visakhapatnam-17.A>P India,08916696666	2
17	Netradyne, Bangalore, 080 4852 2471	1
18	O & M Solutions, Odisha, 916742552984	8
19	Piston Screws Engineering Pvt. Ltd, 9493928801, Info@Pistonscrewsengg.Com	37
20	PROTOCOL India Pvt.Ltd, +91 4044667788	2

21	RVS Quality Certifications Pvt Ltd, 9701113344	15
22	SB Engineering Work, Hyderabad, Info@Sbengineeringworks.Com, 040-48590077	64
23	Sbi General Insurance, Vizag	1
24	Ski Detail, Vishakhapatnam,Info@Skidetail.Com	1
25	Skill Lynk, Channai, +91 04448515531	1
26	Surya Softline Systems, 996636028	13
27	Tcs, Hyderabad,+91 7995783941,Careers@Tcs.Com	1
28	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	6
29	TWECH MAP IT Pvt.Ltd.,Srikakulam, 8374471270	10
30	Varun Hospitality Pvt. Ltd, Visakhapatnam, 08912555122	1
31	Wipro, Bangalore, +91 (80) 46827999, Hr@Wipro.Com	6
32	Wipro, Hyderabad,	1
33	Xvidia Media Pvt Ltd, Gurgaon (Haryana), 08048361266	6

INDUSTRIAL VISIT

NO Industrial Visits

TRAINING PROGRAMMES FOR NON TEACHING STAFF

A Training program on “Administrative Development Program” to the participants was organized on DATE(10/11/2021) to Non-Teaching Staff.

S. No.	Academic Year	Name of the Administrative Development Program	Date	Number of Participants
1	2021-22	A one day ADP on Strategies for Effective College Management	10.11.2021	27

EXTENTION ACTIVITIES

S.No	Name of the Activity & Guest	Venue	Date
1	International Day against Drug Abuse and Illicit Trafficking	Special Enforcement Bureau Station Srikakulam	26-06-2021

2	Vana Mahotsavam - Plantation of Saplings	Govt. Primary School, Nakkapeta Village	05-07-2021
3	NSS DAY Health and Wellness awareness Campaign	Sri Sivani College of Pharmacy	24-09-2021
4	Blood Donation Drive	Red Cross Society, Srikakulam	01-10-2021
5	Clean India	Civil Engineering Department	08-10-2021
6	Swachh Bharat	Nakkapeta Village	13-10-2021
7	Community Households survey on socio economic conditions	Nakkapeta Village	07-03-2022
8	Swachh Bharat	Nakkapeta Village	09-03-2022
9	Beautification of village and construction of school garden	Nakkapeta Village	12-03-2022


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ANNUAL REPORT

2020-21

RESEARCH PUBLICATIONS

S.No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal
1.	Statistical Analysis of Various Measures in Auditing Practices using Optimization Techniques	D. PRIYANKA	CSE	Science, Technology and Development
2.	Evaluation of knuckle joint performance with altered materials by executing a smart prediction tool	J. BALA BHASKARA RAO	MECH	International Journal of Advanced Science and Technology
3.	Experimental and Numerical Analysis of Fluid Flow in Microfibers	SUBRAT KUMAR BARIK	MECH	International Journal of Recent Technology and Engineering (IJRTE)
4.	Performance Analysis of Grid Synchronization Method for Three-Phase Three-Wire Networks under Grid Fault Conditions	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Advanced Science and Technology
5.	Evaluation of thermal performance and implementation of prediction tool in a heat exchanger with elliptical leaf strips	J. BALA BHASKARA RAO	MECH	Journal of heat and mass transfer
6.	Consequential prediction of brain status and diagnosis of epilepsy	G RAJENDRA KUMAR	CSE	International Journal of Advanced Science and Technology
7.	Consequential prediction of brain status and diagnosis of epilepsy	MADUGULA MURALIKRISHNA	CSE	International Journal of Advanced Science and Technology
8.	Consequential prediction of brain status and diagnosis of epilepsy	J. BALA BHASKARA RAO	MECH	International Journal of Advanced Science and Technology

9.	Intelligent Secure Ecosystem Based on Metaheuristic and Functional Link Neural Network for Edge of Things	DR.JANMENJOY NAYAK	CSE	IEEE Transactions on Industrial Informatics
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ORGANISED SEMINARS AND WORKSHOPS

S.No	Name of the Workshop/ Seminar	Number of Participants	Date	Resource Person with Designation
1.	A One Day Seminar on Establishing Community Based Research Programs	30	22.12.2020	Dr. A.S. PRASAD, PROFESSOR, MBA DEPT. WEST GODAVARI INSTITUTE OF SCIENCE AND ENGINEERING, PRAKASARAOOPETA, NALLAJERLA, A.P.
2.	A One-Day Seminar on How to Communicate Your Research beyond Academia	25	12.02.2021	B. MANMADHA KUMAR, SR. ASST. PROF, DEPARTMENT OF EEE, AITAM, TEKKALI, A.P.
3.	A One-Day Seminar on Teaching and Learning Through Research in the Laboratory	35	18.03.2021	MR. K. BHANU PRAKASH, ASST. PROF, H&BS, RAJAHMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY.

FACULTY ATTENDED CONFERENCES

S.No	Name of the Faculty	Title of the Paper	Name of the Conference
1.	DR. G.T. CHANDRA SEKHAR	Design Guidelines for Vector Control of Wound Field Synchronous Motor	Green Technology for Smart City and Society
2.	S.LAXMANARAJU	Multi-Objective Optimization for Enhanced Surface Roughness and Microhardness of AA 6063/TiO ₂ Cast Aluminium Metal Matrix Nanocomposites Fabricated by Friction Stir Processing	IEMPOWER
3.	R.PAVANKUMAR	Influence of Process Parameters on Microstructural and Mechanical	2 nd Innovative Product Design and Intelligent

		Properties of Friction Stir Processed AA6063/Zn Composite	Manufacturing systems: National Conference (IPDIMS 2020)
4.	SUBRAT KUMAR BARIK	Novel Application of Electrolysis on Vehicle: Hydrogen Fuel Cell	2 nd Innovative Product Design and Intelligent Manufacturing systems: National Conference (IPDIMS 2020)
5.	TATA KONDALA RAO	Synthesis and Characterization of Zinc oxide @ silver ferrite multiferroic nanocomposite	International Conference on technological advancements in materials science and manufacturing

ORGANISED FACULTY DEVELOPMENT PROGRAMMES

S.No.	FDP Title	Date and Duration	Number of Participants
1	Innovative Approaches in Structural Analysis and Design	23-11-2020 to 27-11-2020	25
2	Machine Learning and Artificial Intelligence: Fundamentals and Applications	30-11-2020 to 04-12-2020	36
3	Renewable Energy Sources and Grid Integration: Challenges and Solutions	14-12-2020 to 18-12-2020	32
4	VLSI Design and Nanoelectronics: Trends and Challenges	28-12-2020 to 02-01-2021	34
5	Computational Fluid Dynamics: Theory and Applications	05-01-2021 to 09-01-2021	35
6	Effective Communication Skills for Engineering Educators	08-02-2021 to 12-02-2021	32
7	Leadership and Efficiency in College Administration	15.12.2020	27

SOFT SKILLS AND LIFE SKILLS PROGRAMMES

S.No	Name of the Capacity Development and Skills Enhancement Programme	Date of Implementation	Name of the Person
1	Promoting Soft Skills for Holistic Student Development	12-10-2020 to 14-10-2020	DR M.SHYAM SUNDAR 9963501295
2	Yoga for Health	12.11.2020	MR G.RAMA RAO 7989875999

WORKSHOPS/SEMINARS CONDUCTED ON R&D, IPR & EDC CELL

S.No	Name of the Programme	Resource Person	Date	No.of Participants
1	A one day seminar on establishing community based research programs	DR. A.S. PRASAD, PROFESSOR, MBA DEPT. WEST GODAVARI INSTITUTE OF SCIENCE AND ENGINEERING, PRAKASARAOOPETA, NALLAJERLA, A.P.	22.12.20	30
2	A one day seminar on how to communicate your research beyond academia	B. MANMADHA KUMAR, SR. ASST. PROF, DEPARTMENT OF EEE, AITAM, TEKKALI, A.P.	12.02.21	25
3	A one day seminar on teaching and learning through research in the laboratory	MR. K. BHANU PRAKASH, ASST. PROF, H&BS, RAJAHMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY.	18.03.21	35
4	A ONE-DAY WORKSHOP ON ENTREPRENEURSHIP THROUGH IDEA GENERATION	MR.K.S.B. VARAPRASAD, ASSOCIATE PROFESSOR, DEPT. OF EEE. VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY, VISAKHAPATNAM, A.P	22-02-21	40
5	A ONE-DAY WORKSHOP ON ENTREPRENEURSHIP AND FUNDING OPPORTUNITIES FOR WOMEN	MR. P.DAKSHAYANI, WOMEN ENTREPRENEUR, TECH ORBIT, HYD,T.S	15-03-21	47
6	A one day seminar on the challenges of Intellectual Property Rights and protection of human rights	MR.P. DEVI PRASAD, ASSISTANT PROFESSOR, ASSISTANT PROFESSOR,	26-04- 2021	38

	with special reference to sustainable development	MECHANICAL ENGINEERING DEPARTMENT, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SRIKAKULAM DISTRICT ANDHRA PRADESH.		
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STUDENTS OPTED FOR HIGHER EDUCATION

NO students have opted for higher education.

PLACEMENT DETAILS

A total of 230 students were placed.

S.No	Name of the Employer/Company	No. of students placed
1	Edigi Skills, Hyderabad, Info@Edigiskills.Org, 91-9441316435	4
2	Crosera, Mothilal Nagar, Hyderabad, Info@Crosera.Com, 9030208255	8
3	F1 - Lakshmi Global Solutions, Vijiyawada, 9912356814, Info@Lakshmiglobalsolutions.Tk	1
4	Hmi Engineering Services, 8885534495	7
5	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, Info@Cominds.Co, 91 8977-184-174	6
6	Piston Screws Engineering Pvt. Ltd, 9493928801, Info@Pistonscrewsengg.Com	18
7	Rvs Quality Certifications Pvt Ltd, 9701113344	8
8	Accenture, Bangalore, 080 6118 0002, Indiacampus@Accenture.Com	3
9	Accenture, Bangalore, 08061180002, Hr@Accenture.Com	2
10	Bac Infratech Pvt Ltd, Hyd, Bacinfratech@Gmail.Com	1
11	Bosch, Bangalore, +91 80 6657 5757, Connect.Bgsw@In.Bosch.Com	1
12	Cap Gemini, Hyderabad, 080665 67000, Cgp2phelpdesk.In@Capgemini.Com	1

13	Collective Constructions, Chennai, +91 94449 61649, Collective.Construction@Yahoo.Co.In	1
14	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, Info@Cominds.Co, 91 8977-184-174	6
15	Crosera, Mothilal Nagar, Hyderabad, Info@Crosera.Com, 9030208255	8
16	Diverse Lynx Ind Pvt Ltd, +91 120 4604500, Inquiry@Diverselynx.Com	1
17	Duf6 Technologies, Hyderabad, Info@Duf6.Com, 040-48562592	28
18	Edigi Skills, Hyderabad, Info@Edigiskills.Org, 91-9441316435	5
19	F1 - Lakshmi Global Solutions, Vijaiyawa, 9912356814, Info@Lakshmiglobalsolutions.Tk	1
20	G G Construction, Gajuwaka, 8555854279	6
21	Hcl Noida, 91 120 4024700	2
22	Infosys, Electronics City, Hosur Road, Bangalore, 560100, 918028520261, Askus@Infosys.Com	2
23	Infosys, Bangalore, 91 80 2852 0261, Askus@Infosys.Com	8
24	Jio Creating Magic Lifestyles, Srikakulam, Satish.Nair@Ril.Com	1
25	Jio Creating Magic Lifestyles, Srikakulam, Satish.Nair@Ril.Com	1
26	Kmv Projects Ltd, Hyderabad, +91 40 30171111, Contacts@Kmvgroup.Com	1
27	Mintifi Pvt Ltd, Mumbai, 022 66981240, Help@Mintifi.Com	1
28	O & M Solutions, Odisha, 916742552984	8
29	Peopletch, Hyderabad, 040 41239999, Usa-Hr@Peopletch.Com	1
30	Piston Screws Engineering Pvt. Ltd, 9493928801, Info@Pistonscrewsengg.Com	35
31	Quess, Bangalore, 18005723333, Help@Quesscorp.Com	1

32	Samarth Infra Engg Technocrats Pvt Ltd, +91 40 2341 2731,	1
33	Sarthak Returns, Bangalore, Hr@Sarthakreturns.Com	1
34	SB Engineering Work, Hyderabad, Info@Sbengineeringworks.Com, 040-48590077	4
35	Sbi Life, 9440410224	1
36	Sriram City Finance, Srikakulam, +91 44 4392 5430, Shriramcity@Shriramcity.In	1
37	Surya Softline Systems, 996636028	13
38	Tcs, Channai,4466152555	1
39	Tcs, Chennai, +914466162222,Careers@Tcs.Com	1
40	Tcs, Delhi, 911166506555, Careers@Tcs.Com	1
41	Tcs, Hyderabad, 914066672000, Careers@Tcs.Com	2
42	Tcs, Kochi,4846545000	1
43	Tcs, Lucknow, 91 5226661001, Careers@Tcs.Com	2
44	Tcs, Mumbai, +91 2267789999, Careers@Tcs.Com	1
45	Tcs, Pune, +91 20660877777, Careers@Tcs.Com	1
46	Tcs,Channai-600119, Tamil Nadu,914466162555.	1
47	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	7
48	Techmahindra, Madhapur, Hydrebad, 4030636363	1
49	Twech Map It Pvt.Ltd.,Srikakulam, 8374471270	6
50	Wipro, Bangalore, +91 (80) 46827999, Hr@Wipro.Com	1
51	Xvidia Media Pvt Ltd, Gurgaon (Haryana), 08048361266	6

INDUSTRIAL VISIT

NO Industrial Visit

TRAINING PROGRAMMES FOR NON TEACHING STAFF

A Training program on "Leadership and Efficiency in College Administration" to the participants was organized on DATE(15-12-2020) to Non-Teaching Staff.

S. No.	Academic Year	Name of the Administrative Development Program	Date	Number of Participants
1	2020-21	A one day ADP on Leadership and Efficiency in College Administration	15.12.2020	27

EXTENTION ACTIVITIES

S.No	Name of the Activity & Guest	Venue	Date
1	AYU SAMVAD - Ayurveda for Covid - 19 Pandemic	Govt. Ayurvedic Dispensary, Srikakulam	01-04-2021
2	Covid - 19 Awareness Program	Red Cross Society Srikakulam	09-04-2021
3	Celebration of National Voter's Day	District Collectorate, Srikakulam	25-01-2021
4	Grocery distribution	Chilakapalem Village, Srikakulam	13-12-2020


PRINCIPAL
SRI SIVANI COLLEGE OF ENGINEERING
Chilakapalem, SRIKAKULAM



SRI SIVANI COLLEGE OF ENGINEERING
(Under the Management of Sri Sivani Educational Society, Srikakulam)
(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada-CC-W6,
UGC Recognition under 2(f) & 12(B), ISO 9001:2015 Certified)
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

ANNUAL REPORT

2019-20

RESEARCH PUBLICATIONS

S.No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal
1.	Black hole optimised cascade proportional derivative-proportional integral derivative controller for frequency regulation in hybrid distributed power system	TULASICHANDRA SEKHAR GORRIPOTU	EEE	International Journal of Swarm Intelligence
2.	Evaluation of a Double Pipe Heat Exchanger by using Double Elliptical Leaf Strips with Opposite Orientation and Same Direction and Executing with a Smart Prediction Tool of GRNN	J. BALA BHASKARA RAO	MECH	International Journal of Recent Technology and Engineering
3.	Execution of a Modern Prediction Tool for Evaluation of Thermal Performance in a Heat Exchanger by Expending Triple Elliptical Leaf Angle Strips with Altered Orientation and Opposite Direction	J. BALA BHASKARA RAO	MECH	International Journal of Recent Technology and Engineering
4.	Using a Generalized Regression Neural Network Prediction Tool to Estimate Thermal Performance in A Heat Exchanger By using Triple Elliptical Leaf Angle Strips with Opposite Orientation and Same Direction	J. BALA BHASKARA RAO	MECH	International Journal of Innovative Technology and Exploring Engineering
5.	Execution of a Smart Prediction Tool to Evaluate Thermal Performance in a heat exchanger by using Single Elliptical Leaf Strips with altered Angle	J. BALA BHASKARA RAO	MECH	International Journal of Innovative Technology and Exploring Engineering

6.	Implementation of GRNN for Evaluating the Pressure Drop and Heat Transfer in a Heat Exchanger By Utilizing Triple Elliptical Leaf Angle Strips With Same Orientation and Opposite Direction	J. BALA BHASKARA RAO	MECH	International Journal of Engineering and Advanced Technology
7.	Implementation of A Neural Network Tool For Evaluation Of Thermal Performance In A Heat Exchanger By Using Double Elliptical Leaf Angle Strips With Same Orientation And Same Direction	J. BALA BHASKARA RAO	MECH	International Journal of Engineering and Advanced Technology
8.	Impact of Flexible AC Transmission System Devices on Automatic Generation Control with a Metaheuristic Based Fuzzy PID Controller	TULASICHANDRA SEKHAR GORRIPOTU	EEE	Energies
9.	A framework for crime data analysis using relationship among named entities	JANMENJOY NAYAK	CSE	Neural Computing and Applications
10.	Differential evolution algorithm tuned tilt integral derivative controller with filter controller for automatic generation control	TULASICHANDRA SEKHAR GORRIPOTU	EEE	Evolutionary Intelligence
11.	Aspect Based Sentiment Analysis using Naïve Bayes and Support Vector Classifiers	JANMENJOY NAYAK	CSE	The International journal of analytical and experimental modal analysis

ORGANISED SEMINARS AND WORKSHOPS

S.No	Name of the Workshop/ Seminar	Number of Participants	Date	Resource Person with Designation
1.	A One Day Workshop for Computer Science Undergraduates "Research Skills for Innovation in Computer Science"	57	03-09-2019	MR. CH. RAVI KISHOR, ASSOC. PROF, DEPARTMENT OF COMPUTER SCIENCE, AITAM, TEKKALI, SRIKAKULAM, A.P.
2.	A One-Day Workshop for Science and Engineering "Scientific Research Techniques"	54	11-12-2019	MR.M. JEEVANKUMAR, ASST. PROF, H&BS DEPARTMENT CHAITHANYABHARATHI INSTITUTE OF TECHNOLOGY, PRODDUTURU, KADAPA, A.P.
3.	A One Day Workshop On "Research Skills for Innovation in Electronics and Communication Engineering"	57	12-02-2020	B. VIJAY BHASKAR, ASSOC. PROF, ECE DEPT. SRI VENKATESWARA COLLEGE OF ENGINEERING, ETCHERLA, SRIKAKULAM, A.P.

FACULTY ATTENDED CONFERENCES

S.No	Name of the Faculty	Title of the Paper	Name of the Conference
1.	DR. JANMENJOY NAYAK	Soft Computing in Robotics: A Decade Perspective	International Conference on Application of Robotics in Industry using Advanced Mechanisms
2.	DR. JANMENJOY NAYAK	Significance of Particle Swarm Optimization in Intrusion Detection: Crossing a Decade	International Conference on Application of Robotics in Industry using Advanced Mechanisms
3.	DR. JANMENJOY NAYAK	Applications and advancements of nature-inspired optimization algorithms in data clustering: a detailed analysis	Proceedings of the International Conference on ICCIDM 2018
4.	DR. JANMENJOY NAYAK	A Comprehensive Review and Performance Analysis of Firefly Algorithm for Artificial Neural Networks	Nature-Inspired Computation in Data

			Mining and Machine Learning
5.	DR. JANMENJOY NAYAK	Empirical Analysis of Absenteeism at Work Place Using Machine Learning	International Conference on Application of Robotics in Industry using Advanced Mechanisms
6.	H. SWAPNA REKHA,	Soft Computing in Robotics: A Decade Perspective	International Conference on Application of Robotics in Industry using Advanced Mechanisms
7.	DABBEERU PRIYANKA	Empirical Analysis of Absenteeism at Work Place Using Machine Learning	International Conference on Application of Robotics in Industry using Advanced Mechanisms
8.	DR. G.T. CHANDRA SEKHAR	Fuzzy PID Controller for Automatic Generation Control of Interconnected Power System Tuned by Glow-Worm Swarm Optimization	Applications of Robotics in Industry using Advanced Mechanisms
9.	DR. G.T. CHANDRA SEKHAR	Applications of Computational Intelligence Techniques for Automatic Generation Control Problem - A Short Review from 2010 to 2018	Computational Intelligence in Pattern Recognition
10.	DR. G.T. CHANDRA SEKHAR	Sine Cosine Optimization Based Proportional Derivative-Proportional Integral Derivative Controller for Frequency Control of Hybrid Power System	Computational Intelligence in Data Mining, Springer
11.	DR. G.T. CHANDRA SEKHAR	Golf-Worm Swarm Optimized 2DOF-PIDN Controller for Frequency Regulation of Hybrid Power System	Computational Intelligence in Pattern Recognition
12.	DR.J.BALA BHASKARA RAO	Influence of double elliptical leaf angle with same orientation and direction to evaluate thermal performance in double pipe heat exchanger	Innovative Product Design and Intelligent Manufacturing System (IPDIMS 2020)
13.	DR.J.BALA BHASKARA RAO	Evaluation of thermal analysis in double pipe heat exchanger with three elliptical shaped leaf strips at different inclinations with same orientation and direction	Innovative Product Design and Intelligent Manufacturing System (IPDIMS 2020)

ORGANISED FACULTY DEVELOPMENT PROGRAMMES

S.No.	FDP Title	Date and Duration	Number of Participants
1	Advances in Geotechnical Engineering: Challenges and Solutions	17.06.2019 to 21.06.2019	36
2	Big Data Analytics and Data Science: Tools and Techniques	24.06.2019 to 28.06.2019	29
3	Internet of Things (IoT) and Embedded Systems: Design and Implementation	26.08.2019 to 30.08.2019	35
4	Smart Grid Technologies: Advanced Metering and Demand Response	25.11.2019 to 29.11.2109	32
5	Thermal Systems Design and Optimization	27.01.2020 to 31.01.2020	28
6	Pedagogy and Teaching Methodologies in Humanities and Basic Sciences	10.02.2020 to 14.02.2020	40
7	Administrative Skills Development	21.09.2019	23

SOFT SKILLS AND LIFE SKILLS PROGRAMMES

S.No	Name of the Capacity Development and Skills Enhancement Programme	Date of Implementation	Name of the Person
1	Communication skills at engineering level	16.12.2019 to 18.12.2019	DR CH VISWESWARA RAO 9492018580
2	One day workshop on Leadership and team work	12.08.2019	DR.K.SURYAPRAKASH RAO 9440437025
3	Promoting Softskills for Public Speaking and Training	20-11-2019 to 22-11-2019	MRB.V.G.DKRISHNARAO 9440028495

WORKSHOPS/SEMINARS CONDUCTED ON R&D, IPR & EDC CELL

S.No	Name of the Programme	Resource Person	Date	No.of Participants
1.	A one day workshop for computer science undergraduates "research skills for innovation in computer science"	MR. CH. RAVI KISHOR, ASSOC. PROF, DEPARTMENT OF COMPUTER SCIENCE, AITAM, TEKKALI, SRIKAKULAM, A.P.	03-09-19	57
2.	A one-day workshop for	MR.M. JEEVANKUMAR, ASST. PROF, H&BS DEPARTMENT	11-12-19	54

	science and engineering "scientific research techniques"	CHAITHANYABHARATHIINSTIT UTE OF TECHNOLOGY, PRODDUTURU, KADAPA, A.P.		
3.	one day workshop on "research skills for innovation in electronics and communication engineering"	B. VIJAY BHASKAR, ASSOC. PROF, ECE DEPT. SRI VENKATESWARA COLLEGE OF ENGINEERING, ETCHERLA, SRIKAKULAM, A.P.	12-02-20	43
4.	EXPERT LECTURES ON "INNOVATIONS AND ENTREPRENEUR SHIP."	DR. A. DAYINA , ASSOCIATE PROFESSOR, DEPT. OF CIVIL ENGG. VISAKHA INSTITUTE OF ENGINEERING AND TECHNOLOGY, VISAKHAPATNAM, A.P	28-03-19	44
5.	A ONE-DAY WORKSHOP ON "RESEARCH FOR INNOVATION NEW PATHWAYS FOR STUDENT."	MR. J. BHASKARA RAO , ASST PROFESSOR, ANITSCOLLEGE,VISHAKAPATNA M,A.P	16-04-19	39
6.	A ONE-DAY WORKSHOP ON TITLED ENTREPRENEUR SHIP AND CAREER.	MR. K. AKHIL, ASST.PROFESSOR, DEPT. OF CSE, RAJAMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY,RAJAHMUNDRY,A .P	11-09-19	42
7.	A one day workshop on "IPR in Renewable Energy Systems:Innovation s,Patents and Licensing"	DR.C.H.ROHINI, PROFESSOR, MBA DEPARTMENT, BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY GORAGANAMUDI, ANDHRA PRADESH	13-08- 2019	40
8.	A one day workshop on "IPR	MR.G. SUDHARAM, ASSISTANT PROFESSOR, KARMAVEER	16-10- 2019	31

	strategies for business growth:Leveraging Innovation and Intellectual Assets"	DADASAHEB KANNAMWAR COLLEGE OF ENGINEERING, NAGPUR MAHARASTRA		
9.	A one day seminar on "Intellectual Property Rights:Emerging issues and Challenges"	MR.K.V.G SRINIVAS, ASSISTANT PROFESSOR, ANITS, VISAKHAPATNAM, A.P.	23-12-2019	37
10.	A one day seminar on "Navigating Intellectual Property: understanding patents, copyrights, and trademarks"	DR.D.NAGA PURNIMA, PROFESSOR, DEPARTMENT OF HUMANITIES AND SCIENCES, RAJAMAHENDRI INSTITUE OF ENGINEERING AND TECHNOLOGY ,ANDHRA PRADESH	23-01-2020	32

STUDENTS OPTED FOR HIGHER EDUCATION

NO students have opted for higher education.

PLACEMENT DETAILS

A total of XX students were placed.

S.No	Name of the Employer/Company	No. of students placed
1	Accenture, Bangalore	2
2	ACUVATE, Hyderabad,	2
3	Adecco India Pvt. Ltd, Bangalore,	1
4	Avineon, Hyderabad, +91 4046662452	2
5	Cgi Informationsystems And Management, Bangalore, +91 8066422222	1
6	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, info@cominds.co, 91 8977-184-174	5
7	Crosera, Mothilal Nagar, Hyderabad, info@crosera.com, 9030208255	26
8	Duf6 Technologies, Hyderabad, info@duf6.com, 040-48562592	12

9	F1 Info Solutions & Services, +91 9912356814, Info@Lakshmiglobalsolutions.Tk	8
10	Fidelis, Bangalore, 08041502234, Info@Fidelisgroup.In	1
11	G G Construction, Gajuwaka, 8555854279	11
12	Hcl Tech Ltd, New Delhi, +91 120612500,	1
13	Hcl Technologies Ltd., Residentoffice, 806siddharth, 96, Nehru Palace, Newdelhi-110019, 911206125000	1
14	HMI Engineering Services, 8885534495	9
15	Intelnet Global Solutions, West Bengal, 03366502718	6
16	Megha Engineering And Infra Structures Ltd., Hyderabad, Info@Meil.In, 91404466336700	1
17	MindTree (L&T GROUP), Mysore Road, Bangalore, 918067064000	2
18	Mphasis, Directcore/Rh8627363/277055/Pune	1
19	Nippon Paints Pvt. Ltd, Visakhapatnam, 91(0)4466227000	1
20	O & M Solutions, Odisha, 916742552984	8
21	Piston Screws Engineering Pvt. Ltd, 9493928801, info@pistonscrewsengg.com	25
22	RVS Quality Certifications Pvt Ltd, 9701113344	12
23	SB Engineering work, Hyderabad, info@sbengineeringworks.com, 040-48590077	25
24	SHELLPRO Technologies, Vijayawada, 7989814011	9
25	Shellpro, Vijayawada, 7989814011	2
26	Shivam Constructions Company, Mohani, Siddi Dist. (M.P), 9630225678	1
27	SNGET, Vishakhapatnam, +91 7675859585, ceo@snget.in	10
28	Sthenos Composites, Pune,	2
29	Surya Softline Systems, 996636028	12
30	Tcs, Chennai, +91 4466162222, Careers@Tcs.Com	2
31	Tcs, Hyderabad, +91 4066672000, Careers@Tcs.Com	4

32	Tcs, Lucknow	1
33	TCS, Mumbai, careers@tcs.com	2
34	Tcs, New Delhi, +91 918978373767, Careers@Tcs.Com	1
35	Tcs, Tcs House, Raveline Street Fort, Mumbai-400001, India	1
36	Tcs/Dt20229605252/Trivendrum, 04846645000	1
37	Tech Mahindra Limited, Madhapur, Hyderabad, 914030636363	3
38	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	7
39	Tesslove Semiconductor Pvt. Ltd, Plotno-31(P2), Electronic City, Phase II, Bangalore-560100, India, 918041812626	1
40	Trimasys, Pune	1
41	Twech Map It Pvt.Ltd.,Srikakulam, 8374471270	4
42	Vr-Marine Services Pvt.Ltd.,	1
43	Xvidia Media Pvt Ltd, Gurgaon (Haryana), 08048361266	7

INDUSTRIAL VISIT

NO Industrial Visits

TRAINING PROGRAMMES FOR NON TEACHING STAFF


A Training program on "Administrative Skills Development" to the participants was organized on DATE(21/09/2019) to Non-Teaching Staff.

S. No.	Academic Year	Name of the Administrative Development Program	Date	Number of Participants
1	2019-20	A one day ADP on Administrative Skills Development	21.09.2019	23

EXTENTION ACTIVITIES

S.No	Name of the Activity & Guest	Venue	Date
1	Plantation of Saplings	Govt. Primary School, Kunapuvanipeta Village	05-07-2019

2	NSS DAY Health and Wellness Awareness Campaign	Sri Sivani College of Pharmacy	24-09-2019
3	Blood Donation Drive	Red Cross Society, Srikakulam	01-10-2019
4	Swachh Bharat	Kunapuvanipet village	07-10-2019
5	Celebrating Children's DAY and Promoting Gender Equality in school children	Kunapuvanipeta village	14-11-2019
6	Celebration of National Voter's Day	Srikakulam District Collectorate Office	25-01-2020
7	Community Households Survey on Socio Economic Conditions	Kunapuvanipeta village	10-02-2020
8	Painting to school	Kunapuvanipeta village	12-02-2020
9	Swachh Bharat	Kunapuvanipeta village	17-02-2020
10	Beautification of Village and Construction of School Playground	Govt.Primary School,Kunapuvanipeta village	18-02-2020
11	Beautification of Village and Construction of School Hand Pump Platform	Kunapuvanipeta village	19-02-2020


PRINCIPAL
SRI SIVANI COLLEGE OF ENGINEERING
 Chilakapalem Jn., SRIKAKULAM



SRI SIVANI COLLEGE OF ENGINEERING
(Under the Management of Sri Sivani Educational Society, Srikakulam)
(Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada-CC-W6,
UGC Recognition under 2(f) & 12(B), Accredited by NAAC, ISO 9001:2008 Certified)
NH-16, Chilakapalem Jn., Srikakulam Dist -532410

ANNUAL REPORT

2018-19

RESEARCH PUBLICATIONS

S.No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal
1	Design and analysis of BFOA optimised PID controller with derivative filter for frequency regulation in distributed generation system	TULASICHANDRA SEKHAR GORRIPOTU	EEE	Int. J. Automation and Control
2	Neural network and fuzzy system for the tuning of Gravitational Search Algorithm parameters	JANMENJOY NAYAK	CSE	Expert Systems with Applications
3	A Novel Honey-Bees Mating Optimization Approach with Higher order Neural Network for Classification	JANMENJOY NAYAK	CSE	Journal of Classification
4	Experimental Investigations on Wear Behavior of AA2024-Flyash-Nanostructured Redmud Hybrid Composites Synthesized by Stircasting	MURALI KRISHNA. B	MECH	International Journal of 'Surface Engineering and Interdisciplinary Materials Science
5	Feature selection generating directed rough-spanning tree for crime pattern analysis	JANMENJOY NAYAK	CSE	Neural Computing and Applications

ORGANISED SEMINARS AND WORKSHOPS

S.No	Name of the Workshop/ Seminar	Number of Participants	Date	Resource Person with Designation
1	A One Day Seminar on Useful Tips on Meeting Regulatory Requirements for Research	06-08-2018	32	DR.K.A. ARAVINDA KUMAR Professor, Dept. Of H&Bs, Pragathi College Of Engineering, Surampalem.
2 3	A One Day Seminar on Finding a Balance: Managing Your Work and Life Responsibilities in Research	29.11.2018	25	Dr.B.V.RAO, Tata Scientist 'H' & Dean Professor, Homi Baba National Institute.

4	A One Day Seminar on Research to Innovation New Pathways for The Student	16-04-2019	47	Mr. J. BHASKARA RAO, Asst. Prof, Anits, Visakhapattanam
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FACULTY ATTENDED CONFERENCES

S.No	Name of the Faculty	Title of the Paper	Name of the Conference
1	T. PANDU RANGA VITAL	Empirical Analysis on Cancer Dataset with Machine Learning Algorithms	Proceedings of International Conference on SCDA
2	T. PANDU RANGA VITAL	Student Performance Analysis with Using Statistical and Cluster Studies	Proceedings of International Conference on SCDA
3	T. PANDU RANGA VITAL	Analysis of Cancer Data Set with Statistical and Unsupervised Machine Learning Methods	Smart Intelligent Computing and Applications
4	M. MURALI KRISHNA	Empirical Analysis on Cancer Dataset with Machine Learning Algorithms	Proceedings of International Conference on SCDA
5	G.V. L.. NARAYANA	Empirical Analysis on Cancer Dataset with Machine Learning Algorithms	Proceedings of International Conference on SCDA
6	P. SUNEEL	Empirical Analysis on Cancer Dataset with Machine Learning Algorithms	Proceedings of International Conference on SCDA
7	P. RAMARAO	Empirical Analysis on Cancer Dataset with Machine Learning Algorithms	Proceedings of International Conference on SCDA
8	B. G. LAKSHMI,	Student Performance Analysis with Using Statistical and Cluster Studies	Proceedings of International Conference on SCDA
9	H. SWAPNA REKHA &	Student Performance Analysis with Using Statistical and Cluster Studies	Proceedings of International Conference on SCDA
10	M. DHANALAKSHMI	Student Performance Analysis with Using Statistical and Cluster Studies	Proceedings of International Conference on SCDA
11	K. DILEEP KUMAR	Analysis of Cancer Data Set with Statistical and Unsupervised Machine Learning Methods	Smart Intelligent Computing and Applications

12	H. V. BHAGYA SRI	Analysis of Cancer Data Set with Statistical and Unsupervised Machine Learning Methods	Smart Intelligent Computing and Applications
13	M. MURALI KRISHNA	Analysis of Cancer Data Set with Statistical and Unsupervised Machine Learning Methods	Smart Intelligent Computing and Applications
14	D. PRIYANKA	Analysis of Various Fraud Behaviors Using Soft Computing Techniques	Proceedings of International Conference on SCDA
15	H. V. BHAGYA SRI	Chemical Reaction Optimization: A Survey with Application and Challenges	Proceedings of International Conference on SCDA
16	JANMENJOY NAYAK,	Chemical Reaction Optimization: A Survey with Application and Challenges	Proceedings of International Conference on SCDA
17	N. SEETAYYA	Chemical Reaction Optimization: A Survey with Application and Challenges	Proceedings of International Conference on SCDA
18	P. PRADEEP	Chemical Reaction Optimization: A Survey with Application and Challenges	Proceedings of International Conference on SCDA
19	G.T. CHANDRA SEKHAR	TLBO algorithm optimized fractional-order PID controller for AGC of interconnected power system	Proceedings of International Conference on SCDA
20	HALINI SAMALLA	TLBO algorithm optimized fractional-order PID controller for AGC of interconnected power system	Proceedings of International Conference on SCDA

ORGANISED FACULTY DEVELOPMENT PROGRAMMES

S.No	FDP Title	Date	No.of Participants
1	Outcome Based Education and Accreditation	24.09.2018 to 28.09.2018	103
2	Organizational Behaviour	12.11.2018 to 16.11.2018	102
3	Development of Laboratory Instruction and Manual	04.02.2019 to 08.02.2019	110
4	Problem Based Learning	11.02.2019 to 15.02.2019	110
5	Evaluating Students Performance Designing Question Papers	25.02.2019 to 29.02.2019	65
6	Manufacturing and Control for Industrial Automation	11.03.2019 to 15.03.2019	54
7	Effective Campus Operations	17.11.2018	23

SOFT SKILLS AND LIFE SKILLS PROGRAMMES

S.No	Name of the Capacity Development and Skills Enhancement Programme	Date of Implementation	Name of the Person
1	Importance of language in day to day life	09.07.2018 to 11.07.2018	K.GANESHWARA RAO
2	Promoting Soft Skills for Team Dynamics	17-07-2018 to 19-07-2019	
3	One day workshop on Goal setting ,Creativity &Critical Thinking	17.12.2018	DR.C.V.B.SUBRAMANYAM 9989818084

WORKSHOPS/SEMINARS CONDUCTED ON R&D, IPR & EDC CELL

S.No	Name of the Programme	Resource Person	Date	No.of Participants
1	A ONE DAY SEMINAR ON CHALLENGES IN INTELLECTUAL PROPERTY RIGHTS	DR.M.ARAVIND KUMAR, PROFESSOR, DEPT OF ECE,WISE	22-01-2019	38
2	A ONE DAY SEMINAR ON INTELLECTUAL PROPERTY RIGHTS:CREATING AWARENESS ABOUT PATENTS,COPY RIGHTS	MR.R.N.G MAHESH, PROFESSOR, MBA DEPARTMENT, GIITS	20-02-2019	38
3	A ONE DAY SEMINAR ON CONTEMPORARY ISSUES IN INTELLECTUAL PROPERTY RIGHTS	MR. V.A.VAMSI KRISHNA, ASSISTANT PROFESSOR, DEPARTMENT OF MBA, SSCE	26-04-2019	49
4	A ONE DAY SEMINAR ON USEFUL TIPS ON MEETING REGULATORY REQUIREMENTS FOR RESEARCH	DR.K.A. ARAVINDA KUMAR PROFESSOR, DEPT. OF H&BS, PRAGATHI COLLEGE OF ENGINEERING, SURAMPALEM.	06-08-18	32
5	A ONE DAY SEMINAR ON FINDING A BALANCE: MANAGING YOUR WORK AND LIFE RESPONSIBILITIES IN RESEARCH	DR.B.V.RAO TATA SCIENTIST 'H' & DEAN PROFESSOR, HOMI BABA NATIONAL INSTITUTE.	29.11.18	25
6	A ONE DAY SEMINAR ON RESEARCH TO INNOVATION NEW	MR. J. BHASKARA RAO, ASST. PROF, ANITS, VISAKHAPATTANAM	16-04-19	47

	PATHWAYS FOR STUDENT			
7	A ONE-DAY WORKSHOP ON TITLED "STARTUP AND ENTREPRENEURSHIP"	S.RAMARAO, ASST.PROFESSOR, DEPT. OF H&BS, SRI RAMA JUNIOR COLLEGE, PONDURU,SRIKAKULAM,A.P	12-10-18	34
8	A ONE-DAY WORKSHOP ON ENTREPRENEURSHIP EXPLORED: CARVING YOUR CAREER PATH.	DR. A. KANTHI, ENTREPRENEUR, SURYA SOFTLINE SOLUTION, SRIKAKULAM, A.P	28-12-18	43
9	A ONE DAY WORKSHOP ON RISK AND REWARD IN ENTREPRENEURSHIP NAVIGATING THE CRITICAL IMPLICATIONS OF EMBRACING OR AVOIDING THE RISKS	MR. J.HIMASEKHAR, ASST. PROFESSOR, DEPT. OF ECE, ANITS COLLEGE,VISHAKAPATNAM,A.P	16-03-19	53

STUDENTS OPTED FOR HIGHER EDUCATION

Year	Name of student who enrolled for higher education	Program graduated from	Year of graduation	Name of institution joined	Name of program admitted to
2018-19	Kinjarapu Bhagya Sri	B.Tech - EEE	2019	ANITS, Visakhapatnam	M.Tech
	Vysyaraju Pavan Raju	B.Tech - EEE	2019	AITAM, Tekkali	MBA
	Gondu Jhansi	B.Tech - EEE	2019	SSCE, Chilakapalem	M.Tech
	Tarlada Girija	B.Tech - EEE	2019	SSCE, Chilakapalem	M.Tech
	Nakka Vedanth	B.Tech - EEE	2019	SSCE, Chilakapalem	M.Tech
	Jammu Praveen Kumar	B.Tech - EEE	2019	SSCE, Chilakapalem	M.Tech
	Sampadarao Sushma	B.Tech - ECE	2019	SSCE, Chilakapalem	M.Tech
	Esarla Kartheek	B.Tech - CSE	2019	SSCE, Chilakapalem	M.Tech

	Kuna Pragathi	B.Tech - CSE	2019	A.U. College of Engg.	M.Tech
	Potnuru Manikanta	B.Tech - CSE	2019	SSCE, Chilakapalem	M.Tech
	Teppala Keerthana	B.Tech - CSE	2019	A.U. College of Engg.	M.Tech
	Ponnana Harika	B.Tech - CSE	2019	AITAM, Tekkali	M.Tech

PLACEMENT DETAILS

A total of 311 students were placed.

S.No	Name of the Employer/Company	No. of students placed
1	A.P Beverages Corporation Ltd. Ecterla	1
2	Accenture, Advancedtechnology Centers, Bengalore	1
3	Allsect Technologies	1
4	Adp, Chennai	1
5	Avn Polytechnic, Visakhapatnam	1
6	Accenture, Advancedtechnology Centers, Bengalore	1
7	Centillion Networks Pvt.Ltd. Visakhaptnam	1
8	Cognizant, Chennai-500097, 18002086999	1
9	Capgemini, Pune	1
10	Channel Soft It Services Pvt.Ltd.	1
11	Cashapona, Hyderabad	1
12	Capgemini, Hyderabad	1
13	Cominds Solutions Pvt. Ltd, Hyderabad, Telangana, Info@Cominds.Co, 91 8977-184-174	9
14	Crosera, Mothilal Nagar, Hyderabad, Info@Crosera.Com, 9030208255	37
15	Deloit, Hyd	1
16	Duramix Concrete India Pvt. Ltd.,Cuttack,9861934840	1
17	Duf6 Technologies, Hyderabad, Info@Duf6.Com, 040-48562592	19
18	Exotic Learning Nirvoday Pvt. Ltd,	1

19	Excellatrate Software Sollutions Pvt.Ltd,Hyderabad,+9104040327469,	1
20	Endurance Technologies Ltd., Aurangabad, India,+912402569600	1
21	Ekipit Sollutions Pvt. Ltd., Hyderabad,+914035186282	1
22	Essar, Bengalore,08975489887	1
23	Edigi Skills, Hyderabad, Info@Edigiskills.Org, 91-9441316435	27
28	F1 Solutions, Amen Nilayam Guntur-522002,9912356814/9603066814	50
29	Glassco, Laboratory Equipments, Haryana,00911712891633	1
30	G G Construction, Gajuwaka, 8555854279	1
31	Hcl Technologies, New Delhi,+91204683030	1
32	Hmi Engineering Services, 8885534495	12
33	Infosyst Limited Hosur Road, Bangalor, 560100	1
34	Infosys, Hyderabad,+918028520261	1
35	Infosys, Banglore, 918028520261	2
36	Ida Automation Pvt. Ltd.Vishakapatnam-530013,+918912559985,+918023493333	1
37	Infosys, Bangalore, 91 80 2852 0261, Askus@Infosys.Com	1
38	Indus Ind Bank	1
39	ITD Cementation India Limited, T -Nagar, Channai,7596088840	1
40	Legato Health Technologieas Llpbengalure,Karnataka-560045	1
41	Mk, Gurgon,(888) 749-4877	1
42	Mk(Mattsenkumar)Llc,Tonk Road, Jaipur.7425091992	1
43	Mirafra Technologies, Bengalore,08045673700	1

44	Miracle Software Systems, Visakhapatnam	1
45	Piston Screws Engineering Pvt. Ltd, 9493928801, Info@Pistonscrewsengg.Com	26
46	Rvs Quality Certifications Pvt Ltd, 9701113344	9
47	Randstad Ind Pvt. Ltd. , Channai-600006,4466227000	1
48	Rajpushpa Summit, 6th Floor,Hyderabad,040-41424142,	1
49	SB Engineering Work, Hyderabad, Info@Sbengineeringworks.Com, 040-48590077	39
50	Surya Softline Systems, 996636028	11
51	Shellpro Technologies, Machavaram , Vijayawada,7989814011	1
52	Syena Info Soft Pvt Ltd, Madapur, Hyderabad,+914064624900	1
53	Shellpro Technologies, Machavaram , Vijayawada,7989814011	1
54	Tessolve, Bengalore, +918041812626	1
55	Tcs,Kolkata, 03366362000,02267789098	1
56	Tcs, Hyderabad,914066672000	1
57	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	3
58	Tech Mahendra, Madhapur, Hyderabad 500081,India, Tel: +91 40 3063 6363, Fax: +91 40 2311 7012	3
59	Tcs, Hyderabad,914066672000	2
60	Tech Orbit Soft Systems Pvt Ltd, +91-95506 88999	2
61	Tcs, Hyderabad,914066672000	3
62	Tata Consultancy Services, Mumbai	1
63	Twech Map It Pvt.Ltd.,Srikakulam, 8374471270	4
65	Ust,Bengaluru	1
66	VARSHITHA Concrete Technologies, Nekkampur, Hyderabad,9849642640	1
67	Wissen, Q4, 9th Floor, Cyber Towers. Hi-Tec City, Madhapur, Hyderabad, Telangana 500081.	1
68	Wipro, Hyderabad	1

69	Wipro Limited, Hyderabad	1
70	WISSEN, Q4, 9th Floor, Cyber Towers. Hi-Tec City, Madhapur, Hyderabad, Telangana 500081.	1
71	Xvidia Media Pvt Ltd, Gurgaon (Haryana), 08048361266	6

INDUSTRIAL VISIT

NO Industrial Visits

TRAINING PROGRAMMES FOR NON TEACHING STAFF

A Training program on "EFFECTIVE CAMPUS OPERATIONS" to the participants was organized on DATE(17-11-2018) to Non-Teaching Staff.

S. No.	Academic Year	Name of the Administrative Development Program	Date	Number of Participants
1	2018-19	A one day ADP on Effective Campus Operations	17.11.2018	23

EXTENTION ACTIVITIES

S.No	Name of the Activity & Guest	Venue	Date
1	Vanam - Manam	Govt. Primary School, Munipeta village	17-07-2018
2	Blood Donation Drive	Rims Blood Bank, Srikakulam	24-07-2018
3	Swachh Bharat On NSS Foundation Day	Munipeta Village	24-09-2018
4	Voters Awareness Programme	RDO, Srikakulam	26-09-2018
5	Collected TITLI Relief Fund	AP State Government	05-11-2018
6	Children's Day 5k Run	Govt. High School, Etcherla	14-11-2018
7	Traffic Awareness Programme	District Police, Srikakulam	20-12-2018
8	Kishore Vikasam Awareness Program for Various Mandal Schools	District Women Development And Child Welfare Department, Srikakulam District	12-02-2019


PRINCIPAL
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