



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		SRI SAIRAM COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr Shadaksharappa B
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08027840631
Mobile no.		9900545101
Registered Email		principal@sairamce.edu.in
Alternate Email		iqac@sairamce.edu.in
Address		Sri Sairam College of Engineering Saileo Nagar, Anekal, Bengaluru
City/Town		BANGALORE
State/UT		Karnataka
Pincode		562106

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr Gangavathi P
Phone no/Alternate Phone no.	08027840631
Mobile no.	9901239010
Registered Email	iqac@sairamce.edu.in
Alternate Email	hod.hs@sairamce.edu.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.sairamce.edu.in
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://sairamce.edu.in/wp-content/uploads/2019/05/Academic-Calendar-2019-20-ODD-Sem-update-on-01.08.2019.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.85	2019	15-Nov-2019	14-Nov-2024

6. Date of Establishment of IQAC	18-Mar-2017
---	--------------------

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
Digital Learning	13-Jan-2020	887

	365	
Skilling students through Webinar/Guest lectures	20-May-2020 365	887
Global Certification Courses	05-May-2020 210	687
View File		

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
Institution	Students project Programme	KSCST	2019 180	15750
Institution	Students project Programme	KSCST	2019 180	6000
Institution	Students project Programme	KSCST	2019 180	6000
Institution	Students project Programme	KSCST	2019 180	6000
Institution	RGS-F	VGST	2020 365	300000
Institution	AQIS	AICTE	2019 15	569000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1. Academic Audits: To work out the mechanism for ensuring timely, efficient and Periodic progressive performance of academic activities on regular basis academic audits were conducted two times during start of the semester and after completion. 2. Lesson Plan: To normalize formats, Lesson Plan template was structured uniformly Focussing on instruction methodologies and teaching aids. 3. Identification of Chief Coordinator: To emphasise on quality w.r.t internal examination And quality of question paper setting focussing more on blooms levels and coverage of CO's were identified 4. Feedback process: Online feedback process was initiated with the software designed by our students 5. CO PO attainment: Created template for setting CO PO targets along with gap Analysis and PO PSO attainment with gap analysis 6. Global Certification: A team consisting of Members from the entire department is formed to ensure students and faculty take up the certification courses from global recognised platform. 7. Teaching and learning through Digital platform: Google class creation and maintaining by ICT committees to ensure uninterrupted learning during Covid 19.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Effective Implementation of OBE	Course deliveries are planned as per the requirement of OBE, Training session were conducted for all faculty about the CO- PO attainments
Faculty Appraisal implementation	Implemented
Academic Audits	Conducted for all academic departments
Certification Courses - Recognised Platforms	Almost all students and Faculty have done multiple certification courses
Students to register for Internships	All department final year students and also few pre final year have undergone internships
Quality Enhancement Program for Faculty	Conducted for All faculty in College and Many have Participated in other college events too
View File	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing council	05-Feb-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to

Yes

assess the functioning ?	
Date of Visit	05-Nov-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	30-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>MIS management in Sri Sairam College of Engineering, Bangalore is 100 digital. Right from admissions till the students discharge and even extended activities like Alumni engagement is done using different cloud based platforms. Different modules and platforms that are deployed at Sairam are as follows:</p> <p>Admissions: EDUMATE admission portal Right from receiving of applications, followups, processing, admissions, verification of admitted students and generation of various reports and statistical data are handled effectively end to end in the EDUMATE admission portal. This gives lot of insights about admission trends which helps to predict the admission movement in different modes and branches.</p> <p>Academics, Administration, Examinations, Student counseling, Grievance handling Faculty competence: EDUMATE The central academic and administration platform EDUMATE accommodates all essential data, documents and results which are presented in various forms of reports and graphs helping us to understand the students faculty metrics, progression and accomplishments. Students mentoring / counseling is observed to be a prominent feature developed exclusive for our institution which periodically reviews the students performance and provide necessary counseling to them. Online Grievance handling is implemented with 100 compliance to the statutory norms. EDUMATE also helps in maintaining all staff related information and their professional accomplishments. Finance Accounting:</p>

EASY Tally The college uses platform called EASY for its fee collection and the fee collection process is 100 digital. Also it uses Tally as its accounting software. Library: EASY for library management activities from book bank depository, circulation stock verification. Placement Skill Development EDUMATE, Skill Rack, Future Skills AMCAT: EDUMATE is primarily used in managing the student's career database and as communication channel for placement notifications. For training and skilling the students the college has access to a dedicated portal called Skill Rack where students can learn practice coding and aptitude. The portal has unlimited tutorials and practice tests accessible by the students 24X7 for their placement preparation. It also provides analysis and insights of student's strengths and weakness based on their performance in their practice session. The college also has license to access NASSCOM Future Skills to all its staff and students which facilitates them to learn all emerging technologies online and get global certifications. Students feedback, Emails, Online classes and assessments: Google GSuite The institution has its GSuite subscription from Google which is providing access to official emails and all Google tools. The college has deployed Google classrooms to engage online classes for the students effectively facilitating the blended learning mode. Sairam EOMS Sairam is also seriously working for the implementation of Educational organisation Management System EOMS in line with ISO 21001: 2018 in its institution which will help us to handle the MIS information in a productive manner facilitating all statutory reports requirements.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Sri Sairam College of Engineering is committed to the basic values of the Higher Engineering education by providing all the support required for effective implementation of the policies through excellent infrastructure with

well documented procedures. The curriculum delivery process starts with the syllabus of the University and ends with the feedback from the students which is used for continual improvement. ? The institution has taken special initiatives for the effective curriculum delivery. It starts with Academic calendar which is prepared after effective discussions with all the stake holders and issued to all the departments at the beginning of the each semester including guest lectures, Internal Assessments, workshops, Industrial Visits etc., ? Each department Head instructs and guides the entire faculty to prepare detailed lesson plan with all the parameters like 1. Mode of Delivery 2. Date of Plan and Execution 3. Details of the prescribed Books 4. Activity Plan etc.,

The activities like Assignments, Online Tests, MCQs, Poster & Paper Presentation, Open Book Tests, Hands on sessions are included in the delivery of the course to improve the understanding of the concepts. Based on the Lesson Plan every faculty will prepare Course Material for the subject allotted to them well in advance. ? Sairam ensures quality education through ICT based Teaching & Learning Process. Especially during Covid-19 Pandemic, faculties have taken their online class effectively by preparing ppts, Lecture Videos and Google Classroom. ? The attendance register and course files are maintained for each course by the faculty members and the HOD regularly review them to ensure effective course delivery. ? We have a well-equipped digital library which provides modern web based teaching materials and encourages the faculty to use them regularly. It also maintains the university question paper bank. ? The institution ensures the availability of the detailed course material, class notes, Question banks, Lab manuals, Model question papers, video lectures to the students. ? Faculties and students were encouraged to register self-learning courses on Coursera, Edx platform to strengthen their knowledge to make meaningful curriculum delivery with real time examples. ? Slow learners are given special attention by conducting extra coaching for each subject and the advanced learners are motivated through project based learning and quiz programs to secure marks. ? Class Committee meetings are conducted by HOD to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary. ? Every student has been assigned with a mentor to share their academic and non-academic difficulties. ? In addition to the regular classes, the college also organizes certificate programs, special lectures, workshops and seminars by inviting experts from various fields to share their knowledge and experiences with the students to bridge the gap between the Academia and Industry. ? Outcome Based education is fulfilled by giving opportunities and assessments to students which will help them to achieve the specified outcome.

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
Artificial Intelligence and Machine Learning	Nil	08/08/2019	5	Employability	Developed skill in Python and machine learning
Robotics and Automation	Nil	08/08/2019	5	Employability	Developed Skill in Robotis Automation
PLC, SCADA Automation	Nil	24/09/2019	5	Employability	Developed skill in PLC, SCADA Automation

Programming Simulation of CNC machines	Nil	05/08/2019	5	Employability	Developed skill in programming and Simulation
Robotic Process Automation(RPA)	nil	17/04/2020	90	Employability	Developed skills in Robotics and Automation process

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
View File		

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
BE	Computer Science and Engineering-17CS552-Introduction to Software Testing,17CS562-Artificial Intelli	29/07/2019
BE	Electrical and Electronics Engineering-15EE744-Power System Planning, 15EE753-Spacecraft Power Technologies ,15EE831-Smart Grid, 17EE553 -Electrical Estimation & Costing, 17EE562-Programmable Logic Controller, 17EE651-Computer Aided Electrical Drawing, 17EE662-Sensors and Transducers	29/07/2019
BE	Electronics and Communication Engineering-15EC83-Network and Cyber Security,15EC834-Machine Learning,17EC654-Digital Switching Systems,17EC7661-Data Structures Using C++,17EC663-Digital System Design Using Verilog,17EC553-Operating System,17ME563-Automation	29/07/2019

	& Robotics,15EC752-IOT & Wireless Sensor Network,156EC755-Satellite Communication	
BE	Mechanical Engineering-17ME554 -Non Traditional Machining ,17ME562-Energy And Environment,17ME655-Automobile Engineering,17ME664-Total quality management,15ME745-Smart Materials And MEMS,15ME753-Mechatronics,15ME835-Product Life Cycle Management	29/07/2019

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

	Certificate	Diploma Course
Number of Students	810	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
Yoga and Meditation for Healthy Body Mind	26/09/2019	58
Environmental Sustainability	24/07/2019	35
Essentials of Entrepreneurship: Thinking Action	01/01/2020	21
Leadership and Emotional Intelligence	01/05/2020	21
The Sustainable Development Goals - A global, transdisciplinary vision for the future	05/05/2020	526
How to Write a Resume (Project-Centered Course)	01/05/2020	415
Safety in the Utility Industry	01/05/2020	10
Moral Foundations of Politics	01/05/2020	1
Learning Technologies Foundations and Applications	01/05/2020	4
Programming and Simulation of CNC machine	05/09/2020	21
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science & Engineering	99
BE	Electronics & Communication Engineering	75
BE	Electrical and Electronics Engineering	50
BE	Mechanical Engineering	70
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>Sri Sairam College of Engineering (SSCE) understands that teaching-learning system followed by an educational institution needs continuous refinement. To capacitate this process of continuous refinement, the institution shall adopt a feedback system that takes suggestions from stakeholders of each programme. This eventually helps to fine-tune the teaching-learning process and the curriculum. The institution shall follow a well-defined and formal feedback system implemented at different levels like</p> <ul style="list-style-type: none"> • Curriculum Feedback from Stakeholders like Students, Faculty etc. • Self-Evaluation from Faculty. • Institution Feedback from Students Faculty. • Library feedback from Students Faculty. • Student Feedback about the Faculty. <p>Institution established Internal Quality Assurance Cell(IQAC) in order to ensure and analysed the academic excellence of student and faculty levels. Periodical analysis is made by the IQAC from the following: student performance, faculty performance in every semester and requirements for quality enrichment. The feedback from students regarding the quality of teaching shall be collected, once in every semester (end semester), through the college campus software. Teaching index value is calculated by the system for each faculty the results are made available to Principal, Heads of Departments the Faculty. Being an institution that shapes individuals to build technologists for the future, Sri Sairam College of Engineering lays constant insistence on updating the curriculum to equip students with the knowledge and skill necessary for Industry 4.0. This year due to covid-19 pandemic, IQAC has collected feedback from various stake holders through Google form. The feedback given by the stakeholders were analysed and suitable action was taken by the committee to satisfy the expectations of the stakeholders. Suggestions received from the students were discussed among the faculty members and faculty were advised to take necessary steps to satisfy the students while handling online classes. For better understanding by the students all faculties are advised to prepare a video lecture notes of their subjects and upload in the YouTube. Various certificate courses and add on programs were suggested to make the students industry-ready by imparting analytical and arithmetic and soft skills in addition to technical competencies</p>

as desired by the Industry.

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
BE	MECHANICAL ENGINEERING	120	35	21
BE	ELECTRICAL & ELECTRONICS ENGINEERING	60	33	21
BE	ELECTRONICS & COMMUNICATION ENGINEERING	120	84	61
BE	COMPUTER SCIENCE & ENGINEERING	120	168	129

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	232	Nil	93	Nil	Nil

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
93	93	34	19	3	18

[View File of ICT Tools and resources](#)

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

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

Mentoring system has been introduced to guide the students by building trust and modelling positive behaviours.

The system enables to fill the gap between faculty and students, trustworthiness and guide the students in Academic, personal and also in career enrichment. The mentor shares the information about his/her career path, provide guidance, motivation, emotional support, and role modeling. Being a proctor they help their protege to explore their career, according to their goals and make them to develop the contact and identify the better resources to move forward with their goals. Every mentor effectively interacts with their allotted mentees to discuss about their performance in academic progress, personal issues, ambitions and career development. Based on their performance and their issues faced during their academic journey (time to time), an effective counselling is given by the mentors to motivate them to overcome the hurdles passed. Based on the student's difficulty with respect to their understanding level and presentation at the time of examination were realized by

the mentors during counselling. Based on this the proctor motivate the students by giving them the inputs like how to learn theory subjects and how exactly they should present that at the time examination for both theory and problematic papers. In this way the mentees gets self motivated towards their academic improvements by enhancing their grasping power in regular learning methods and listening abilities. The learning spirit of the mentees is encouraged to extend their progression towards project participation, innovative idea presentation, paper presentation and technical quiz. To make the mentoring system effective at our institution level, training is given to all our faculty members by an external resource person on counselling and mentoring process. The system identifies the hidden talents of the students in various aspects of academic, co-curricular, extra-curricular and extramural activities so that they can be promoted to do various activities in the concerned area for their holistic development. Time to time Mentees progress is intimated to their parents. Mentors interact with ward parent's to appraise their wards with respect to the progress and take steps to mitigate any shortfall in academic performance, skill developments and other personality traits. Career related counselling is also given to students like Skillrack, NASSCOM Prime, future skills and AMCAT progression. During Covid – 19 era, the physical counselling role of mentor has been transferred to an online mode for monitoring ward's progress both academic and unusual life conditions. Students are encouraged to participate in various online webinars, Workshops Symposiums, Hackathon, and other skill development programmes, as well as preparation of online examinations for their academic credentials. Being a mentor, they counsel the students effectively to include the ability and willingness to value the mentee as a person, develop mutual trust and respect maintain confidentiality, listen both to what is being said and how it is being said help the mentee to resolve his or her own problem, rather than giving a direction focus on the mentees development and resist the urge to produce a clone.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
971	93	1:11

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
93	93	Nil	8	10

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Attached file	Assistant Professor	NA
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CSE	8/4	27/08/2020	27/09/2020
BE	ECE	8/4	27/08/2020	27/09/2020
BE	EEE	8/4	27/08/2020	27/09/2020
BE	ME	8/4	27/08/2020	27/09/2020
View File				

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

Sri Sairam college of Engineering is affiliated to Visvesvaraya Technological University and the evaluation processes is followed based on the rules and regulations laid by the university and the same was communicated to the students through syllabus copies that will be issued in the beginning of first year of their academic program. As per the University guidelines three internal Assessment tests were conducted for 2015, 2017 and 2018 Schemes. Internal Assessment tests for 2015 and 2017 Schemes were conducted to a maximum of 30 marks, whereas the 2018 Scheme is conducted for 50 Marks. For 2015 Scheme best of two testis considered to calculate the average Internal Assessment Marks, whereas 2017 and 2018 Scheme all the three internal Assessment Marks were considered to calculate the average Internal Assessment Marks. Centralised examination Cell is framed in our institution to conduct exam related activities. The question papers were framed considering the blooms taxonomy level that was specified in the syllabus book for the subject and the questions were mapped towards the course outcome and program outcome. This enhances the student's skill in terms of understanding level, analytical and logical thinking and extending their ideas towards application oriented analysis. Internal assessment question papers are reviewed in prior by IQAC of each department. It is then forwarded to the Centralised examination Cell for smooth conduction of IA tests. Scheme and Solution are prepared by the faculty and based on this evaluation process is progressed. Complete transparency is maintained during the conduction of internal assessment tests, and the evaluated scripts were disclosed to the students for clarification. The evaluation process is discussed thoroughly in the HOD's meeting with principal. 10 of internal assessment scripts shall be reviewed by the other subject expert. In case of any discrepancy found by the reviewer will be intimated to the head of the department and necessary action will be taken. The students were encouraged to approach the faculty in case of IA test clarification on the award of marks based on the scheme of valuation discussed in the class. All answer books are preserved and documented as per university norms. Theory subjects IA marks is evaluated through internal assessment test marks and activity marks.

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

The institutional academic calendar contains plans for curricular and co-curricular activities based on the available working days as per norms framed by the university. The college commence the academic year in accordance with the schedule and guidelines given by the university academic calendar. Every Semester the college prepares academic calendar in accordance with the university calendar and it will be intimated to all the students, Stake holders and the same is displayed in college website. The academic calendar provides information about the date of commencement of the semester, Internal Assessment Test schedule, Audit Schedules, academic related activities like Project review schedule, club related activities, Events pertaining to professional bodies (Guest Lecture, Seminars, workshops conferences), Conduction of Lab internals and information with respect to State government and local holidays. Department oriented activities is also provided. The institution strictly follows the schedules in the academic calendar for the conduction of CIE. Internal tests are conducted by centralised IA test cell on the dates planned in academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time. Every department conducts project progress review and seminar presentations as per standard procedure set by each department according to the department academic calendar. In accordance with the academic calendar detailed lesson plan is prepared by each faculty based on the syllabus before the start of every semester. The lesson plan comprises of

date, content, learning aid and methodology, faculty approach, course outcomes and BTL levels. The department advisory board and programme assessment committee members were framed and they are responsible for the smooth adherence of the academic calendar. The committees members comprises of parents, alumni students, current students, Principal, Management Representative and HOD. The committee members suggest number of events to be conducted under co-curricular and extra curricular activities.

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://sairamce.edu.in/igac-2019/>

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
ME	BE	MECH	70	67	95.71
EE	BE	EEE	24	23	95.83
EC	BE	ECE	75	73	97.33
CS	BE	CSE	99	97	97

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://sairamce.edu.in/wp-content/uploads/2019/05/SSS-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	180	VTU	0.2	0.2
Students Research Projects (Other than compulsory by the University)	180	KSCST	0.32	0.32
Major Projects	365	VGST	3	3
Industry sponsored Projects	180	industry	1.17	1.17

[View File](#)

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
Webinar on Entrepreneurship Emerging area of Biofuel	Electrical Electronics Engineering	05/12/2019
Webinar-Erps And Journey Of Sap-What Is In For Future By Mr Karthhek Yadiki ,Germany	Computer Science Engineering	03/05/2020
Prolific Intelligence Transformer Testing Reporting Lab	Electrical Electronics Engineering	07/08/2020
Electrical Switchgear Its Application	Electrical Electronics Engineering	07/08/2020
Microhabits	Electrical Electronics Engineering	28/07/2019
My story - entrepreneur's life amp	Electronics and Communication Engineering	30/09/2019
One day workshop on problem solving/design thinking/ideation	SLMIC-SSCE	18/09/2019
"Entrepreneurship and Innovation as Career Opportunity in Virtual reality world"	IEDC	26/09/2019
Webinar on emerging technology Python and Selenium	Electronics and Communication Engineering	22/11/2019
FDP on recent advances in renewable energy technologies	Department of Mechanical Engineering	16/12/2019
VR workshop	Computer Science Engineering	25/10/2019
Faculty development program on "A new Paradigm towards Accreditation process"	Science and Humanities Dept	25/12/2020
Webinar on Gap between Industry-Institute how to meet Industry expectations	IIPC	03/03/2020
Webinar on "The National Innovation and Startup Policy for Students and Faculty 2019 - A Guiding Framework for HEIs for Implementation"	SLMIC	12/05/2020
Leadership Talk	Training and Placement	23/04/2020

	Cell	
Faculty development program on "STRESS MANAGEMENT"	Science and Humanities Dept	25/02/2020
Chandrayaana mission 2 - technical talk	Electronics and Communication Engineering	26/02/2020
Seminar on robotic process automation	Electrical Electronics Engineering	20/03/2020
Online Webinar - Senior Talks - How relevant is an MBA Degree for Engg	Computer Science Engineering	29/04/2020
Online Webinar - Senior Talks - ERP and Journey of SAP what is in for future	Department of Mechanical Engineering	03/05/2020
Automotive Interiors and Future Focus	Department of Mechanical Engineering	01/08/2020
World intellectual property week-quiz	IIC	03/05/2020
Hands on training Program on Robotics	Electronics and Communication Engineering	18/09/2019
Training program on Salesforce	Electronics and Communication Engineering	11/07/2019
Awareness program on job skills	Electronics and Communication Engineering	03/03/2020
Awareness on Overseas Education Opportunities	Electronics and Communication Engineering	18/02/2020
Career Guidance Program	Electronics and Communication Engineering	20/02/2020
SDG Quiz(online)	Electronics and Communication Engineering	02/07/2020
Hackthon	Electronics and Communication Engineering	06/06/2019
Hackthon	Electronics and Communication Engineering	08/08/2019
PLC Scada Automation	Electrical Electronics Engineering	24/09/2019
Neural Networks in MATLAB applications	Electrical Electronics Engineering	28/02/2020
Bridge Course on C	Computer Science Engineering	10/02/2020
Webinar-Linked In Profile Building By Mr Siddharaj Junnarkar, Melbourne	Computer Science Engineering	13/06/2020
Webinar-Technology And Careeer Path By Mr Samirul Haque Mallick,Hyderbad	Computer Science Engineering	06/06/2020

Webinar-How To Prepare Employment Ina Post Covid-19 World ? By Dr Arunachalam,Chennai	Computer Science Engineering	04/06/2020
Webinar-Scope Of Placement Post Covid-19 By Dr Arunachalam,Chennai	Computer Science Engineering	01/06/2020
Webinar-Virtual Labs For Engineering Skill Development And Employability	Computer Science Engineering	30/05/2020
Webinar-Success As An Entrepreneur By Mr Pavan Kasi Kumar	Computer Science Engineering	29/05/2020
Webinar Oncyber Security In New Age And Carrer Opportunities By Global Institute Of Management	Computer Science Engineering	14/05/2020

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
Adarsh Vidya Saraswati Rashtriya Puraskar	Manjula.G	Global Management Council	15/08/2019	Faculty
Engineering Excellence Award	Prof.Malini.K.V	ISIEINDIA	16/03/2020	Award of Women Super Achiever Award
Talent Sprint women Engineering Award 2020	Sharanya S	Google	14/08/2019	Student

[View File](#)

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Sri Sairam College of Engineering	SAIRAM Business Incubator	MSME	NA	NA	20/12/2019

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1000	17000	0

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

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	2

Electronics and Communication Engineering	1
Science and Humanities	1

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	Attached file	Nil	Nil
View File			

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
File attached	38
View File	

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
Slip effects on peristaltic flow of a williamson fluid in a channel under the effect of a Magnetic field	Dr. Gangavathi P	Think India Journal	2019	2	Department of Science and Humanities	2
A REVIEW REPLACEMENT OF A SYNTHESIZED PARTICULATE REINFORCED MMC BY NATURAL PARTICULATE REINFORCED MMC	DURAI J	JOURNAL OF CRITICAL REVIEWS	2019	4	Department of Electrical Electronic Engineering, Sri Sairam College of Engineering, Bangalore	4
Corrosion in wear resistance of AL6061-Basalt and Zircon hybrid	Dr. S. H arikrishna	JETIR	2019	5	Department of Electrical Electronic Engineering, Sri Sairam	5

composite material in acid media					College of Engineering, Bangalore	
Smart controller for grid stabilization in the optoelectronic system	Prof.K.R amya	IJEEE	2020	2	Department of Electrical Electronics Engineering, Sri Sairam College of Engineering, Bangalore	2
Digital space vector modulation decoupled control scheme grid connected 1-phase driven bias inverter to suppress high frequency current commutation	Prof.K.R amya	IJEEE	2020	2	Department of Electrical Electronics Engineering, Sri Sairam College of Engineering, Bangalore	2
Arduino Based Smart Cart	Dr.B.Sri latha	THINK INDIA JOURNAL, Vol-22 - Issue-14	2019	3	Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore	3
A Multi-Attribute Trust-based Authentication Model for Internet of Things based Military E	Dr B Sha daksharappa	International Journal of Recent Technology and Engineering (IJRTE). Volume -8 Issue-6	2020	42	Department of Computer science and Engg	42

Environment						
Signcryption Based Security for PSO-GD Localization in WSN	Dr.T. N. Prabakar	International Journal of Recent Technology and Engineering (IJRTE)	2019	4	Department of ECE	4
Non integer order PID controller tuning using grey wolf optimization method for Sea Water Reverse Osmosis Desalination process	Mrs. Lorate Shiny	International Journal of Control and Automation Vol. 13, No. 2s, (2020), pp. 282-291	2019	3	Department of CSE	3

[View File](#)

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
Deep Belief Network Based Healthcare Monitoring System in IoMT	C Sivaprakash	Cognitive Internet of Medical Things for Smart Healthcare	2020	1	Nil	Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore

[View File](#)

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

Number of Faculty	International	National	State	Local
Presented papers	62	2	1	5
Attended/Seminars/Workshops	7	52	38	59
Presented papers	14	93	Nil	Nil
Resource persons	Nil	13	Nil	Nil

[View File](#)

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
One Student One Tree Plantation Program by AICTE	NSS	8	65
covid-19 sample collection and report	Anekal Government Hospital	74	101
Driving license mela	RTO Police Department	10	150
Blood Donation	Indian red cross	40	200
Awareness program on corona	Taluk health office	50	250
Tree Plantation	Forest department	70	50
Not for me But for you(NSS camp)	NSS Unit	10	30

[View File](#)

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
SMART INDIA HACKATHON	RECOGNITION	AICTE	40

[View File](#)

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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
	File Attached	Null	Null	Null

[View File](#)

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
0	File Attached	0	0

[View File](#)

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	Duration From	Duration To	Participant
-------------------	-------------------------	---------------------------	---------------	-------------	-------------

		institution/ industry /research lab with contact details			
Internship	Python and Machine Learning	PALLE TECHNOLOGIES	Nil	Nil	12
Internship	LED Product Design Drivers	GENED TECHNOLOGIES	Nil	Nil	25
MOU	Machine Learning hands on workshop	Palle Technologies	Nil	Nil	30
MOU	Industrial Automation Robotics	AGIIT	Nil	Nil	35
MOU	Machine Learning workshop	PALO ALTO, BANGALORE	Nil	Nil	40
MOU	Dristi online test	M/S EDGATE TECHNOLOGIES	Nil	Nil	150
View File					

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
GENED	28/11/2019	Industrial training, RD, curriculum design	150
M/s Big Win Technologies , Praveen Engineering Campus	26/08/2019	Internship Training programs	80
Imperial society of Innovative Engineers	27/07/2019	summer Training program, FDP, Guest lecture, Skill Awareness program	140
Technocrats Pvt. Ltd.	04/04/2020	Engineering Services like CAD/CAM/CAE, Design and Development, Manufacturing Support	60
View File			

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
30	26.3

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Seminar Halls	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
EASYLIB 3.0	Fully	3.0	2004
Dspace	Fully	6.0	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others (specify)	17	345000	1	35000	18	380000
Library Automation	1	90000	Nil	Nil	1	90000
Text Books	27350	7865356	375	184985	27725	8050341
Journals	725	2300000	48	58501	773	2358501
e-Books	24453	1520000	500	175000	24953	1695000
e-Journals	7189	3004833	500	395250	7689	3400083
Digital Database	3	300000	3	100000	6	400000
CD & Video	896	5000	15	15	911	5015
View File						

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

(Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	File attached	Nil	02/03/2020
View File			

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	441	9	393	1	1	10	19	104	0
Added	0	0	0	0	0	0	0	0	0
Total	441	9	393	1	1	10	19	104	0

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

124 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
Systems , Recording room	Nil
Software : Mac Address A4-1F-72-4C-F8-B1 E0-69-95-F4-8A-70	http://sairamce.edu.in/digital-classroom/
Media centre	Nil

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
125	119.14	220	208.5

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)

Maintaining and utilizing physical, academic and support facilities - Class rooms/Laboratories, building maintenance, transport, furniture, generator, Sir M.Visvesvaraya AV Hall, Auditorium and seminar hall, sports complex are maintained by house keeping under the supervision of non teaching staff/Floor supervisors. During this pandemic time class rooms are sanitized daily and SOPs are followed by taking care of social distancing. Separate complaint registers are maintained for various services like electrical, plumbing, housekeeping etc. Masonry and plumbing works are carried out with skilled persons and expenditures are incurred from maintenance. ATM centre, Stationary store are available within the campus. Laboratories and Computing Facilities Lab instructors are responsible for maintenance of equipments and computers in the laboratories. All the computer maintenance, software installations and

networking are handled by IT department. Students and faculty members are provided separate login credentials to access the internet. Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Any fault in the network will be reported to the IT department who in turn takes steps to solve the issues.

Library Stock Maintenance System: Maintenance activities are done periodically to keep library clean. Activities like fumigation, preservation of books from insects, dusts and shelving of reading materials are done on regular basis by library staffs. Stock verification of the library books are done using bar code technology as a part of Library management software and it is done during non academic period.

Sports Facilities: College encourages sports activities for students to excel in sports. A well experienced Physical Director has been appointed for sport facilities. Equipments available in the gym are monitored by the physical director and any fault in the equipment will be registered in the complaint book which in turn will be serviced. Institute has a football, basket ball, Kho-Kho ground and a volley ball ground. Students are encouraged to participate outdoor sports activities, ensuring physical fitness levels at all times.

Power Supply and Electrical Maintenance Power supply is maintained by our technicians and electricity is supplied by electricity board/gensets for 24hours. A Kirloskar-Make power generator (325-KVA and 125KVA) is installed in the campus to handle the occasional power shut down 212 KWP. Solar rooftop power plant has been maintained by the institution.

Maintenance of Electrical and Electronic Equipments:- Regular check up of equipment is carried out at the end of every semester. Breakdown register is maintained in the laboratories. As per the requirement minor repairs are carried out by the lab assistant. Maintenance of computers is taken care by IT and COMPUTER department. Major repairs are outsourced as per the procedure of the institute. The faulty trainer kits are serviced by service engineers of specified companies. The measuring instruments are calibrated regularly by standard companies. Annual Stock verification is done by the staff members of other department and the report is submitted to the Principal.

<http://sairamce.edu.in/policy-documents/>

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	LMS	47	1198900
Financial Support from Other Sources			
a) National	Backward Class Welfare Department	422	10295419
b) International	00	Nil	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 implementation	Number of students enrolled	Agencies involved
Bridge Course - Bridge Course on C	10/02/2020	110	SkillYou Enterprises Pvt. Ltd

Bridge Course - Engineering Design Softwares	23/08/2019	55	SLMIC, SSCE, Anekal
Bridge Course - Recent Trends in Automobiles	10/03/2020	68	SAE Collegiate Club Automobile Club, SSCE, Anekal
Bridge Course - SIP for First Year Students(16.08.2019 To 24.08.2019)	16/08/2019	215	SSCE, Anekal
Bridge Course - SIP for First Year Students(03.02.2020 To 13.02.2020)	03/03/2020	215	SSCE, Anekal
Yoga Meditation	23/08/2019	205	SSCE, Anekal
Bridge Course-Awareness Program on Industrial Expectation	24/08/2019	89	ISTE, SSCE, Anekal
Bridge Course- " Training Program on Robotics"	18/09/2019	92	Gened Group, Bengaluru
Soft Skill Development - Pre Placement Training	03/02/2020	225	Seventh sense
Career Counselling- Opportunities in Healthcare Industry for Engineering Students	30/07/2020	225	Institute of Health Management Research

[View File](#)

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Higher Education Opportunities	85	Nil	2	Nil
2020	Career Counselling - Technology and Career Path(Online)	Nil	180	Nil	177
2020	Competitive Examinations - "How	145	Nil	2	Nil

	relevant is an MBA degree for Engineers,"(Online)				
2020	Career Counselling-Opportunities in Healthcare Industry for Engineering Studnets	Nil	225	Nil	216
2020	Career Counselling - "LinkedIn-Profile Building"(Online)	Nil	124	Nil	122
2020	Career Counselling-How to write a Winning Resume & get Hired	Nil	225	Nil	216
2020	Career Counselling-Placement Awareness Program	Nil	225	Nil	216
2020	Career Counselling-Recruitment process & Opportunities post Covid -19	Nil	225	Nil	216
2020	Career Counselling "Success as an Entrepreneur." (Online)	Nil	155	Nil	153
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus	Off campus
-----------	------------

Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCI Tech	48	12	Yodlee	33	10
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	EEE	University of Visvesvaraya College of Engineering	M.Tech
2020	1	BE	CSE	International Institute of Information Technology	M.Tech
View File					

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

Items	Number of students selected/ qualifying
GATE	2
Any Other	1
View File	

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

Activity	Level	Number of Participants
Intramoral Competition (Sports Day)	Institution	300
Annual Athletic Meet	State	89
20th VTU Single Zone Intercollegiate Weight Lifting (M W) Best Physique Competition 2019-20	State	45
Jewel making Event for students	institutional	45
Freshers Day	institutional	220
Teachers Day	institutional	85
View File		

5.3 – Student Participation and Activities

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

Year	Name of the	National/	Number of	Number of	Student ID	Name of the
------	-------------	-----------	-----------	-----------	------------	-------------

	award/medal	Internaional	awards for Sports	awards for Cultural	number	student
2019	Silver Medal	National	1	Nill	1SB16EC089	Swathi G N
2019	Bronze	National	1	Nill	1SB16CS026	Chetana G
2019	Bronze	National	1	Nill	1SB17CS036	Kummetha Saileela
2019	2nd Place	National	1	Nill	1SB18EC023	Mr. Mahe nthesh
2019	Best Women Entr epreneur Award	National	1	Nill	1SB18ME025	Team Mech Rockz
2019	Best Design Poster Award	National	1	Nill	1SB18ME025	Team Mech Rockz
2019	2nd place in HackinUTU	Internat ional	2	Nill	1SB19CS072	Venu manas
2019	1st place in P UBg(squad)	National	1	Nill	1SB17CS012	Ankit Agarwal
2019	1st place in table tennis	National	1	Nill	1SB17CS010	AkshayaB abu B
2019	1st place in table tennis	National	1	Nill	1SB17CS013	Archana MR
No file uploaded.						

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

The institution has formed a committee with class representatives from each department which function as student council. The student committee communicates the issues and grievances of the students to the competent authority. The members of the council are selected from each class through students. Students have active representation on academic and administrative bodies and committees of the Institute. Each committee formed comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department. The student members of each committee will meet once every month to discuss the areas of improvement related to various quality aspects of teaching learning, Co-Curricular Extra-curricular Activities and student support. Minutes of every meeting are maintained and the recommendations are communicated to the Internal Quality Assessment Committee through the student representatives of the IQAC. Student representatives contribute their suggestions and views in the following committees. 1. Class Committee 2. Anti -Ragging Committee 3. Hostel Canteen Committee 4. Outreach Programme Committee 5. Editorial Board 6. Sports NSS Committee 7. Cultural Committee 8. Internal Complaints Committee 9. Innovation

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni association was registered in 2018 actively participates in the overall development of the students. Alumni are invited as Guest, participate in entrepreneurship awareness camps, conduct workshops, Guest lectures, industry interactions, building references to the students aspiring higher education. Alumni Association helps in networking and offers job opportunities to the students. The association adds value in participating in sorting out the challenges faced by the institution and offer technological solutions to it. The association also helps in setting up the startups and mentoring it. It helps students through peer learning. The association identifies economically backward students issue academic scholarships every year. During the pandemic Alumni Association connected Alumni all over the Globe with their juniors through Digital Platform under the banner Senior Talks small talks.. Big Lessons...! In this Alumni shared their experience in various domains. These talks were very useful for the students, they participated actively. Alumni from Industry Academia were invited as judges for Projects, Hackathons etc., Under the banner Ignite Alumni from Industry will be invited invited talks will be delivered to bridge the gap between Industry Academia. Teachers are connected through social media like LinkedIn, Face book, Twitter and Whatsapp groups. The programs are tailor-made and focused to deliver the essentials of bridging the gap between the academia and industries. The alumni as volunteers contribute to the development of students and institution and be connected through digital media.

5.4.2 – No. of enrolled Alumni:

3358

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

223000

5.4.4 – Meetings/activities organized by Alumni Association :

14(2 /12)

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)

- Participative management encourages the involvement of stakeholders at all levels of an organization in the process of an analysis of problems, development of strategies, and implementation of solutions.
- Management representative, Principal, Faculty members and students play important role in participative management by providing ideas and constructive suggestions on the operational activities of the Institution.
- Principal gives various roles to the members in the various committees to act independently.
- Few practices of decentralisation and participative management are:
- Annual Budget: Annual budget for the academic year 2019-20 was framed by institutional head, giving instructions to HODs. HOD's conducted department meeting and informed Lab- in - Charges to provide annual budget required for the academic year 2019-20 for laboratory. All departmental budget requirements were reported by the concerned faculty-In charges for the Laboratory, authenticated by HOD and submitted to the principal, forwarded to the management. Institutional management

approved budget and it was utilized by all departments (CSE, ECE, EEE, MECH, SH Training Placement) for Recurring and Non-recurring Expenditures such as Purchase of new equipment's, Alterations required to labs, staff rooms, Computers and support systems, Software, Departmental and Consumables, College Level Events, Skills development program for the students in placement etc. • Our college management has been released huge investment on enhancing the skills of the students by providing opportunities in Placement training programs, activities such as hiring Skill Rack, 7th Sense training agencies • ii) I7C conference 2019:8th International Conference i7C - 2019 on "Chip, Circuitry, Current, Coding, Combustion and Composites" held at Sri Sairam College of Engineering (accredited by NAAC), Anekal, Bengaluru on 28th 29th November 2019, provides international forum to leading academicians, engineers, researchers, industry practitioners, scholars pan world to exchange ideas, share their experiences and research outcomes on all aspects of engineering fields. This conference aimed to strengthen the means of implementation and revitalize the global partnership for sustainable development. Various committees are framed to make the conference as a grand successful by convenor and all faculties were involved in various committees.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"> • The curriculum was prescribed by the affiliating university namely, • Visvesvaraya Technical University (VTU), Belgaum. The curriculum • Undergoes a revision once in four years in the normal course. • During every revision the tentative syllabus that was finalized by the Board of Studies is announced on the university website. • The concerned faculty are welcome to give suggestions which are sent by each department from the institution to the university. • Thus the institution encourages our faculty to contribute to enrich the curriculum during the course of its revision. • This was carried out by communicating to the university during the process of finalising the revised curriculum.
Teaching and Learning	<ul style="list-style-type: none"> • Initiatives taken by our college during the pandemic to maintain equilibrium in regular studies. • Online Classes were taken to all students using ZOOM Platform. • All Students were given information about how to use Zoom platform. • Google classroom was created to all students and notes, internals, assignments, activities, and lecture videos were posted. • Google Classroom is part of the educational suite of products our

college uses. • It allows for seamless collaboration Google Classroom is part of the educational suite of products our college uses. • It allows for seamless collaboration between teachers and students. • It provides a real-time platform for sharing information and with the available extensions it even allows for easy review and grading of assignments. • It is an invaluable tool that is cost-effective. • We use Google Classroom as a way to connect our students to online learning

Examination and Evaluation

External Examination and Evaluation:
 • The University adopted online Question Paper Distribution System (QPDS) for semester end exams for all affiliated colleges. • QPDS is adopted to conduct • Semester End Examination (SEE), in which question paper will be sent online by VTU just half an hour before the commencement of exams and • Evaluation will be done by using Digital Valuation System (DVS).
Internal Examination and Evaluation: • The components of internal assessment are written test and Co-curricular activities such as Assignment / Presentation / Project / Innovative work /Attending conference, workshop Seminar / Online Courses/ Case Study, Quizzes etc. • There is a scrutiny of question papers by academic Council Committee members. • Bloom taxonomy with quality index of CO, PO Mapping in Question paper setting. • Review of Answer booklet done by Faculty of Subject Experts allotted IQAC (QMC)

Research and Development

• We at Sri Sairam College of Engineering are focusing more on Applied Research Programs and need based technology. Accordingly R D Cell has been established with VTU affiliation to promote and monitor the research Programs. • The centre provides necessary infrastructure for students and faculty to conduct research projects in thrust areas of Science and Engineering. • In 2019-20, many projects proposals submitted to KSCST, VTU-TEQIP and AICTE. In addition to that proposal for conduction of 1 week and 2 weeks workshops, seminars also submitted to AICTE • AICTE sanctioned worth of Rs.6 Lakhs for conduction of two weeks Faculty Development Program (FDP) on RECENT

TRENDS ON RENEWABLE ENERGY RESOURCES.(16th Dec - 30th Dec 2019) • VTU TEQIP sanctioned worth of Rs. 3 Lakhs for conduction of 6 days' Workshop on design and fabrication of GO-KART vehicle (for women (July 25th -30th 2019). • KSCST approved and granted Rs.40,000/- for 8 Project Proposal in the year of 2019-20

Library, ICT and Physical Infrastructure / Instrumentation

Central Library works towards building user centric resources, integrate technological applications To augment resource management and service standards. Library enriched with all necessary infrastructure to support automation, digital resources management, and online information Services to support both offline and online learning for users. Library ICT infrastructure includes, computer systems, scanners, software's, cameras, and online platforms. • Library is fully automated using EASYLIB software 3.0 version with OPAC facility • Bar-coding Technology - all books and user Ids are bar-coded for faster and error free transactions • Online e-resource services - access to vast collection of quality electronic resources • OPAC - facility for searching library resources • Digital library with digital resource management facility • Remote access facility for accessing e-resources at user's convenience. • Automated stock tracking facility. • NPTEL resources

Human Resource Management

• Activities Related Right from Entry to Exit everything governed by the HR department • HR is responsible for selection, recruitment, Promotion, Exit Interview, Suspension, Dismissal etc., specific Procedure will be followed each As per VTU AICTE Norms for both teaching and non-teaching training • Staff Recruitment is executed As per the following procedure • Collection of Human Resources from the Department Heads • Consolidation of requirements by the Head of the Institute • Newspaper Advertisement • Extraction of Resumes from the College online application web portal • Call for interview , informing date time and venue • Selection of right candidate based on requirement such as, experience, teaching methodology, educational qualification etc., •

Intimation to the right candidate for joining, appointment order. • Staff members are encouraged to participate in training programme to upgrade their knowledge and skills

Industry Interaction / Collaboration

• The institute and industry collaboration plays a pivotal role to Bridge both. • The students are benefitted due to exposure to current industry practice and faculty gets sensitized to the latest practices leading them to blend practice with theoretical teaching methods. • Various MoU's are signed for the academic development and students' professional growth. • Guest lecturers are being conducted by the Industrial Experts. • Effective function of Entrepreneurship Development Cell is organizing various Programmes and Exhibitions. • Industrial Visits are conducted for the students. • Alumni placed in reputed companies and entrepreneurs are invited for informal discussion with the students. • NASSCOM FUTURESILLS workshop conducted for the faculties in the month of November 2019. • During Pandemic Situation, Implemented the talk series by Alumni's , India leadership talk series of 12 sessions given by our alumni's from April 2020 to June 2020 organized by Institution's Innovation Council

Admission of Students

• The institution followed the admission as per government rules by considering the students through CET, COMED-K and Management quota. • Scholarship is provided with to the students admitted through Management quota and outstanding students who is having more than 8.5 CGPA and full tuition fee is waived for the students who are having more than 9.5 CGPA for the year. Also Full tuition fee is waived for economically poor students • We are doing career counselling in a way that it creates awareness and also motivates the students to select the better career. • Vetricpadigal Program for 2 Students was held on 06.12.19, in association with Pudhiyathalaimurai Television channel. • The program provided a platform to motivate and guide the 2 students for their examination preparation also allowed a real interaction with the speakers and the students to clarify their doubts

and to exchange ideas, as well to create awareness about the higher education in the field of science and engineering. • The Open House Program has been held at Sri Sairam College of Engineering, Bengaluru on Friday, 3rd Jan 2020.

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

E-governance area	Details
Planning and Development	iTech PKM Towers#57, Ayyappan Nagar Extn, 200 Feet Road, Kolathur, Chennai-600 099. Phone : 91-44-26503257 / 58 Email : info@itechind.com Website: http://itechind.com
Administration	EASY - Educational Automation Software Pvt Ltd Flat 1B, I Floor, Old. No.5, New No. 9, First Main Road, KB Nagar, Adayar, Chennai - 20 Phone : 32954228,9380005207,9283392597/598 E-mail: easysoftin@gmail.com Website:ffssoft.com
Finance and Accounts	EASY - Educational Automation Software Pvt Ltd Flat 1B, I Floor, Old. No.5, New No. 9, First Main Road, KB Nagar, Adayar, Chennai - 20 Phone : 32954228,9380005207,9283392597/598 E-mail: easysoftin@gmail.com Website:ffssoft.com
Student Admission and Support	Online Fee collection, Receiptgeneration and processing ofConsolidated statements are carried outthrough our Management InformationSystem. iTech PKM Towers#57, Ayyappan Nagar Extn, 200 Feet Road, Kolathur, Chennai-600 099. Phone : 91-44-26503257 / 58 Email : info@itechind.com Website: http://itechind.com
Examination	Internal Examination: Students Monitoring, Mentoring, Internal Assessment Marks entry, University Marks iTech PKM Towers#57, Ayyappan Nagar Extn, 200 Feet Road, Kolathur, Chennai-600 099. Phone : 91-44-26503257 / 58 Email : info@itechind.com Website: http://itechind.com EXTERNAL Examination: QPDS - Mind Logic QPDS - VTU Software

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	Name of the professional body for	Amount of support
------	-----------------	---------------------------------------	-----------------------------------	-------------------

		for which financial support provided	which membership fee is provided	
2020	Mr. BHEEMESWARA REDDY	3 Days Workshop -BANGLORE TECH SUMMIT 2020,	BANGLORE TECH SUMMIT	3814
2020	Dr. K SIVASAKTHI BALAN	Orientation Workshop On Incubation Organised By MSME, Dr.Br Ambedkar International Centre, New Delhi On Jan 2020	NA	16000
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)
2020	5days International Webinar on Education 4.0 (The Future ahead)	-	10/08/2020	14/08/2020	200	Nil
2020	Creative thinking and logical Reasoning	Nil	20/01/2020	21/01/2020	1	Nil
2020	Stress Management	Stress Management	25/02/2020	26/02/2020	30	4
2019	FDP on Salesforce Platform Developer 1	Nil	14/10/2019	16/10/2019	3	Nil
2019	Automation Robotics	Nil	21/10/2019	22/10/2019	3	Nil
2019	Recent Trends in Renewable Energy	Nil	16/12/2019	30/12/2019	9	Nil

	Resources					
2019	Online Training in Internal Auditing - ISO 9001:2015	-	16/07/2019	17/07/2019	70	Nil
2020	OBE ITS Impact on Accreditation process	-	06/07/2020	10/07/2020	18	Nil
2020	-	Training program on Microcontroller 8051 Interfacing	04/03/2020	05/03/2020	3	25
2020	A New Paradigm towards Accreditation Process	-	25/01/2020	30/01/2020	60	Nil
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
Attached file	Nil	Nil	Nil	Nil
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
19	19	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • • Cash awards for academic excellence /100 results. • Management sponsorship for attending conferences, workshops and FDPs. • OD/CO - on prior permission - seminar / workshops/ conferences / university exam • Training for enhancement of skills - 	<ul style="list-style-type: none"> • • Lab technicians and lab attendants get clothing aprons and other staff gets blazer. • ESI Scheme - Employees drawing less than Rs.21000/- PM. They are covered under ESI and can avail this benefit directly with ESI Clinic/Hospitals. • 	<ul style="list-style-type: none"> • • Leo-Muthu Merit Scholarship for students • Free admission of students through Maatram and Agaram foundation. • Industrial visits arranged to fill the gap between the industry institute • Skill development and technical Training programs were

teaching (In-house /External) • Periodical Medical Check-ups - Provided by medical establishment • Organization of sports and cultural activities for staff . • Ikyathapravesha - One day Picnic for all staffs • Gifts and mementoes during Teacher's day celebrations. • Free transport facilities. • Medical leave. 10days with salary • Maternity leave. • Marriage gifts with one week leave with salary • Special study leave to pursue higher education. • Group insurance. • Provision of canteen in the campus. • Employees Provident Fund (EPF). • Research Promotion • Vacation Leave - 30 days (Odd semester - 12 days/ Even semester -18days) • Providing Free Licence for Online Courses Conducted by foreign universities such as COURSERA, EDX, NASSCOM future Skills • Free Digital TABS are given to faculty members • Free accommodation is provided

Training for enhancement of skills - non teaching (In-house /External) • Periodical Medical Check-ups - Provided by medical establishment • Organization of sports and cultural activities for staff • Ikyathapravesha - One day Picnic for all staffs • Free transport facilities. • Medical leave. 10days with salary • Marriage gifts with one week leave with salary • Group insurance. • Provision of canteen in the campus. • Special study leave to pursue higher education. • Subsidiary fare in canteen facilities and hostel facilities. • Employees Provident Fund (PF). • Organization of sports and cultural activities for staff. • Free accommodation is provided

conducted to enhance the students' knowledge • Students team winning in SIH Cash prize Equivalent cash prize will be provided by the management (1Lakhs 1Lakhs) • OD is provided for the students who are participating in workshops, symposiums and other competition • Wi-fi Enabled Campus • We provide RPA, AAA, NASSCOM certification courses which will improve the chances of placement with good salary package • Providing Free Licence for Online Courses Conducted by foreign universities such as COURSERA, EDX, NASSCOM future Skills • Government scholarships are provided

6.4 – Financial Management and Resource Mobilization

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

• Institution conducts internal and external financial audits regularly. Internal Audit will be carried out by our CAM on monthly basis External Audit will be conducted at the end of each financial year. • The qualified auditors will visit the college at regular intervals they will verify all financial transaction with the books of accounts, vouchers and other supporting documents accordance with approval of top management. • The financial transactions are accounted in Tally ERP by the college. • Audit is conducted in accordance with the Auditing standards generally accepted in India. • They plan and perform procedure to obtain the reasonable assurance about whether the financial statements are free from material misstatements. • Auditor will examine on a thorough basis evidences, supporting for the amounts and disclosure in the financial statements. • The college is filing income tax return every year within the stipulated time and the balance sheet and audit report for the past 5 years is readily available in the administrative office. • Auditor will vouch payment with the approved supporting. • Correctness of Classification revenue and capital expenses. • Reconciliation of bank accounts and checking the bank

confirmations. • Reconfirmation of un reconciled items. • Calculation of depreciation of fixed assets. • Status of the old debit/ credit balances. • Checking of statutory dues payment like PF, TDS, PT and ESI before the due dates. • Salaries payments with the salary statements. • Any other statutory compliances verification required as per Income Tax Act

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
File attached	Nil	Nil
View File		

6.4.3 – Total corpus fund generated

18000000

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	Bureau Veritas	Yes	Academic Council
Administrative	Yes	Bureau Veritas	Yes	Trust Office

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

• Parents are part of the IQAC • College has Mentor-Ward system in which a group of students is allotted to a faculty member in to care of all the issues related to the allotted students. A Mentor acts as a surrogate parent to the students. The communication with the parents regarding the attendance and other issues was take care by the Mentor through Class Coordinator. The meeting with the parents are also scheduled if requires. During Covid - 19 passed information about covid to take precautionary measures to stay safe. During covid informed to parents to instruct their wards to attend online classes regularly • Orientation programme was organized for the 1st year students along with their parents. At the end of the programme, parents are invited to share theirfeedback. • Parents of the students who failed in more than 3 subjects VTU examination and less than 80 attendance are called for Counselling session were arranged along with Principal, MR, HOD and Mentors. • Free transport is provided for the parents in college vehicle to visit college

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

• Various technical training programs in the domain are arranged by departments for their technical support staff to improve their competency levels. • Technical staff has attended programmes related to computer operations andskill developments like personality development and work life balance. • Stress Management - 2 days' workshop • The few staff members are also sent outside for the training • Expenses incurred to attend the external programmes are sponsored by the Management

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

1.Global Certification: A team consisting of Members from the entire department is formed to ensure students and faculty take up the certification courses from global recognised platform. 2. Teaching and learning through Digital platform:

Google class creation and maintaining by ICT committees to ensure uninterrupted learning during Covid 19. 3. Academic Audits: To work out the mechanism for ensuring timely, efficient and Periodic progressive performance of academic activities on regular basis academic audits were conducted two times during start of the semester and after completion

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	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Global Certification Courses	24/08/2019	05/05/2020	31/12/2020	810
2019	Skilling students through Webinar/Guest lectures	24/08/2019	25/03/2020	30/12/2020	874
2019	Digital Learning	24/08/2019	10/03/2020	30/12/2020	874

[View File](#)

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Programs for womens "Jewel Making"	30/12/2019	30/12/2019	40	Nil
Workshop on "Design and Fabrication of Go-kart Vehicle- for Womens"	25/07/2019	31/07/2019	43	Nil
Seminar on Python and Selenium	02/12/2019	02/12/2019	30	30
Program for Single Zone Intercollegiate Weight Lifting (M &W) & Best	14/10/2019	15/10/2019	35	40

Physique Competition				
Workshop on NASSCOM Futureskills	30/11/2019	30/11/2019	40	50
Program for "Lockdown art contest"	08/05/2020	08/05/2020	25	30
FDP On Stress Management for men and women	25/02/2020	26/02/2020	20	25
Program for ISTE Best Student Appreciation	22/02/2020	22/02/2020	20	30
Programs for Intercollegiate Management and Sports	22/11/2019	23/11/2019	30	30
Program on International Women's Day Celebration	10/03/2020	10/03/2020	45	Nil
Seminar on the Sexual Harassment of Women at Workplace	11/03/2020	11/03/2020	40	Nil

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

Percentage of power requirement of the University met by the renewable energy sources
14.738 percentage

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	Nil
Ramp/Rails	Yes	3
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	3
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	Nil
Any other similar facility	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	Nil	1	13/03/2020	1	Awareness program	Carona	50
2020	1	Nil	30/04/2020	1	Career guidance	Career Advice for 2nd PUC science students	25
2020	1	Nil	10/05/2020	1	Distribution of face shields	Safety of frontline workers	250
2020	1	Nil	28/05/2020	1	ARIVU Program	CET Awareness Program Webinar	10
2019	1	Nil	24/08/2019	1	Industrial expectation	Awareness Program	30
2019	1	Nil	23/09/2019	1	Blood donation camp	Health camp	35
2019	1	Nil	06/11/2019	1	Vetripodigal Program	Carrer guidance	652
2020	Nil	1	03/01/2020	1	Open House Program for PU students	Carrer guidance	200
2020	1	Nil	26/02/2020	1	Postal Service Scheme	Awareness Program	100
2020	1	Nil	11/11/2020	1	Awareness program	Safety of Girl child	13

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
TOP MANAGEMENT	01/08/2019	Responsible for smooth and efficient functioning of the college keeping in

view of the Vision, Mission and Quality policy of the Institution. • To preside over and conduct proceedings of GC. • To initiate and support to implement all the GC resolutions. • To review periodically all the financial, academic and other matters pertaining to the institution. • To review performance of the Principal of the college periodically. • To give approval to the Principal for certain specific actions of urgent nature subject to ratification. • To examine and approve proposals of Principal on academic and administrative matters of the institution. • To support any policy/function delegated by Governing Council. • To initiate action on any matters of interest to the college subject to ratification by Governing Council.

MANAGEMENT REPRESENTATIVE (MR)

01/08/2019

• The MR shall be whole time officer of the Institute and appointed by the CEO. • The MR shall be acting as a media between management and college. • The MR shall be exercise general supervision or control over the affairs of the Institute and implement the decisions of the Institute in consultation with principal. • It shall be the duty of the MR to ensure that the Memorandum of Association, the Rules, Bye-laws and Regulations of the Institute are clearly observed and implemented and he shall have all the necessary powers in this regard. • The MR shall exercise

general control over the affairs of the Institute and shall be mainly responsible for implementation of the decisions of the various authorities of the institute. • The MR shall exercise such other powers and perform such other functions as may be prescribed by the Rules and Bye-laws and Regulations. • The MR shall exercise all other powers as may be delegated to him by the Top Management. • The MR shall have the power to re-delegate some of his powers to any of his subordinate officers with concurrence and approval of the Top Management. • The MR shall have the power to convene or cause to be convened meetings of the various bodies of the Institute.

PRINCIPAL

01/08/2019

• The Principal is the Head of the institution and is responsible to the Governing Council for all academic, administrative and financial matters of the college. • Qualification as per AICTE norms. • He is to function as the Member Secretary of the Governing Council (GC). • To be a link between Governing Council, CEO, Executive Director and Trust office on one hand the college administration, staff and students on the other hand. • To provide the interface to project the activities of the college as decided by the Governing Council to all external agencies. • As the principal is the Member Secretary of the Governing Council, he is the functionary legally

responsible on behalf of the college in all matters. • To transact matters pertaining to academic and administration with all the departments and organizations concerned by bringing to the notice of Trust office, Executive Director and CEO. • To furnish periodical statements of financial, academic and other matters pertaining to the college through the Trust office and the Executive Director to the CEO. • To obtain approval of the CEO on behalf of the Governing Council subject to the ratification or any urgent action to be taken by any authority authorized by CEO wherever necessary in consultation with the Executive Director and Trust office regarding the administration of the college. • To oversee the service records of faculty and non-teaching staff and get the service records periodically updated through Administrative Officer (AO) and respective heads of units. • The time gap in the entry of such service register should not exceed one year and get it verified by the concerned staff at the end of the financial year. • To write the confidential reports of the entire faculty and maintain them in his custody. • To oversee and ensure that the academic and administrative functioning of the college is smooth and satisfactory. • To interact with all external agencies such as

industries and other professional organizations as could be decided by the Governing Council / Trust in Consultation with the Executive Director and CEO. • To take necessary legal advice and follow up action whenever required on behalf of the college. • To interact and pursue for effective and fruitful follow up of all matters concerning the academic, financial, administration of the college in consultation with Trust office, Executive Director and CEO. To his extent, to have close liaison with the State, Central Government Department, AICTE and University for affiliation etc. • To conduct periodic, monthly review meeting with the faculty and the administrative staff of the college to ensure effective internal follow up of all matters discussed at such meetings. • To act as sanctioning authority for all academic activity of faculty and staff members recommended by concerned HODs himself to keep the Trust office, Executive Director, and CEO informed of all such approved activity. • To sanction delegates fee and permission for staff to present papers at National and International Conferences in consultation with MR.

• As regards participation in other activities outside the normal schedule of the college, prior intimation is to be given to the Trust office, Executive Director and CEO. • To

ensure admission of students as per the norms prescribed by University and also the state Government within the stipulated time schedule and obtaining the approval of the appropriate authorities for such admissions. • To ensure effective and satisfactory conduct of the academic activities by continuous monitoring of faculty and other facilities available and to put up proposals in consultation with Trust office to CEO for provision of necessary facilities such as staff requirements, purchase of equipment, books etc., through properly coordinated committees appointed for this purpose. • To prepare Budget Estimates for capital and recurring expenditure in consultations with Vice - Principal, Section Heads, Trust office, Executive Director and CEO. • To make payments towards the various activities of the college as per the approved budget after scrutiny by Chief Account Manager (Finance)/Finance officer. • To oversee maintenance of proper records for receipts, payments and register of all assets of the college. Counter signature of the daily cash book with regard to financial transactions made. • To prepare the annual accounts and statements for purposes of audit by the chartered accountant and the statutory authorities, forwarding utilization certificates and the progress to the relevant

funding authorities. • To ensure maintenance of proper discipline both among students and staff.

- To attend to the problems of the staff and students through appropriately constituted committees for prompt redressal.
- To ensure proper maintenance of the campus and arrangements for security for the assets of the institution.
- To attend to all matters pertaining to the GC. Preparation of agenda and the meeting of the GC in consultation with the CEO. To prepare the minutes of GC meetings for final approval by the CEO. To take suitable steps for the implementation of the resolutions of the GC meetings and convey to the GC actions taken by him in consultation with the Executive Director and CEO.
- Perform any other function that may be assigned by CEO/Executive Director or the GC from time to time.
- He may formulate and present policies to the Academic Management committee for the consideration on matters relating to the Faculty.
- He is responsible for maintaining the discipline of the students in the College. In this regard, he shall coordinate with the college disciplinary team.
- The principal has to coordinate with the Examination Section in the conduct of the examinations as chief superintendent.
- He is the Chief Warden of the Hostels to look after administration of the Hostels and the needs of

the residents. • The principal is responsible to the CEO for the all academic activities. • The Principal is the Head of the institution and is responsible to the Governing Council for all academic, administrative and financial matters of the college. • Qualification as per AICTE norms. • He is to function as the Member Secretary of the Governing Council (GC). • To be a link between Governing Council, CEO, Executive Director and Trust office on one hand the college administration, staff and students on the other hand. • To provide the interface to project the activities of the college as decided by the Governing Council to all external agencies. • As the principal is the Member Secretary of the Governing Council, he is the functionary legally responsible on behalf of the college in all matters. • To transact matters pertaining to academic and administration with all the departments and organizations concerned by bringing to the notice of Trust office, Executive Director and CEO. • To furnish periodical statements of financial, academic and other matters pertaining to the college through the Trust office and the Executive Director to the CEO. • To obtain approval of the CEO on behalf of the Governing Council subject to the ratification or any urgent action to be taken by any authority

authorized by CEO wherever necessary in consultation with the Executive Director and Trust office regarding the administration of the college. • To oversee the service records of faculty and non-teaching staff and get the service records periodically updated through Administrative Officer (AO) and respective heads of units. • The time gap in the entry of such service register should not exceed one year and get it verified by the concerned staff at the end of the financial year. • To write the confidential reports of the entire faculty and maintain them in his custody. • To oversee and ensure that the academic and administrative functioning of the college is smooth and satisfactory. • To interact with all external agencies such as industries and other professional organizations as could be decided by the Governing Council / Trust in Consultation with the Executive Director and CEO. • To take necessary legal advice and follow up action whenever required on behalf of the college. • To interact and pursue for effective and fruitful follow up of all matters concerning the academic, financial, administration of the college in consultation with Trust office, Executive Director and CEO. To his extent, to have close liaison with the State, Central Government Department, AICTE and University for

affiliation etc. • To conduct periodic, monthly review meeting with the faculty and the administrative staff of the college to ensure effective internal follow up of all matters discussed at such meetings. • To act as sanctioning authority for all academic activity of faculty and staff members recommended by concerned HODs himself to keep the Trust office, Executive Director, and CEO informed of all such approved activity. • To sanction delegates fee and permission for staff to present papers at National and International Conferences in consultation with MR.

• As regards participation in other activates outside the normal schedule of the college, prior intimation is to be given to the Trust office, Executive Director and CEO. • To ensure admission of students as per the norms prescribed by University and also the state Government within the stipulated time schedule and obtaining the approval of the appropriate authorities for such admissions. • To ensure effective and satisfactory conduct of the academic activates by continuous monitoring of faculty and other facilities available and to put up proposals in consultation with Trust office to CEO for provision of necessary facilities such as staff requirements, purchase of equipment, books etc., through properly coordinated committees

appointed for this purpose. • To prepare Budget Estimates for capital and recurring expenditure in consultations with Vice - Principal, Section Heads, Trust office, Executive Director and CEO. • To make payments towards the various activates of the college as per the approved budget after scrutiny by Chief Account Manager (Finance)/Finance officer. • To oversee maintenance of proper records for receipts, payments and register of all assets of the college. Counter signature of the daily cash book with regard to financial transactions made. • To prepare the annual accounts and statements for purposes of audit by the chartered accountant and the statutory authorities, forwarding utilization certificates and the progress to the relevant funding authorities. • To ensure maintenance of proper discipline both among students and staff. • To attend to the problems of the staff and students through appropriately constituted committees for prompt redressal. • To ensure proper maintenance of the campus and arrangements for security for the assets of the institution. • To attend to all matters pertaining to the GC. Preparation of agenda and the meeting of the GC in consultation with the CEO. To prepare the minutes of GC meetings for final approval by the CEO. To take suitable steps for the implementation of the

resolutions of the GC meetings and convey to the GC actions taken by him in consultation with the Executive Director and CEO. • Perform any other function that may be assigned by CEO/Executive Director or the GC from time to time.

- He may formulate and present policies to the Academic Management committee for the consideration on matters relating to the Faculty.
- He is responsible for maintaining the discipline of the students in the College. In this regard, he shall coordinate with the college disciplinary team.
- The principal has to coordinate with the Examination Section in the conduct of the examinations as chief superintendent.
- He is the Chief Warden of the Hostels to look after administration of the Hostels and the needs of the residents.
- The principal is responsible to the CEO for the all academic activities.

VICE PRINCIPAL

01/08/2019

- Functions as principal in the absence of Principal.
- Responsible independently for the duties delegated by the Principal
- Carries out operational activities under the directions of the Principal
- Gives input regarding the academic updation/revision of university syllabus/introduction of new activity from the Academic Department will be forwarded to the Principal for approval.
- Faculty programs/recruitment and internal promotions

		<p>recommendations are forwarded to the Principal. • Budgetary requirements of the Departments will be forwarded to the Principal.</p>
<p>HEADS OF DEPARTMENTS (HODs) AND THEIR FUNCTIONS</p>	<p>01/08/2019</p>	<ul style="list-style-type: none"> • Each Department shall have a head who will be the senior most Professor of the Department. • The Head shall be selected in accordance with the rules and regulations by the Selection Committee. • The Heads shall be responsible to the Principal of the College and MR in discharging their duties and functions. • Shall prescribe the work to the staff members of the Department as per the norms and regulations. • Shall be the authority for sanctioning leave etc. to the members of staff of the Department. • Shall conduct the Internal Assessment test model examination periodically. • Shall consolidate the internal assessment marks of the students of the Department and communicate them to the Principal MR. • Shall conduct, review meetings with the staff of the Department to assess the work done. • Shall be responsible for maintaining the discipline and standard of the Department. • Shall be responsible for improving the results of the Department.
<p>PROFESSOR/ASSOCIATE PROFESSOR</p>	<p>01/08/2019</p>	<ul style="list-style-type: none"> • Qualification as per AICTE norms. • Instruction and conduction of experiments in laboratory. • Students Assessment, Evaluation and Conduction of

Examinations. • Research Activities and Research Guidance. • Leader for Consultancy Projects and Extension Services. • Curriculum Development and Developing Resource Materials. • Innovation in Teaching, Laboratory work and Instruction Materials. • Continuing Education Activities. • Academic and Administrative Planning and Developmental Work at the Departmental • Level and assisting at Institutional Level • To ensure training of faculty members in his/her subject of Specialization. • Student counseling and Interaction. • Co-curricular and extra-curricular activities. • Conduction of Workshops/Seminars/Conferences and liaison with industry and RD organizations. • Preparation and Submission of Project Proposals to obtain External Financial Assistance. • Conducting bridge courses for Slow Learners. • In addition to the above, the professor shall cooperate faithfully with HOD, Head of the institution and other members of the teaching staff in order to promote an atmosphere of academic excellence, in the performance of extra duties and devoting extra time which is required for the welfare of the students and for the development of department and Institution.

ASSISTANT PROFESSOR

01/08/2019

• Qualification as per AICTE/VTU norms. • Instructions and conduction of experiments. • Students

Assessment, Evaluation and Conduction of Internal tests University

- Examinations. • Involving in Consultancy and R D activities • Developing Resource Materials and Lab Manuals. • Involving in Co-curricular and Extra-curricular Activities. • Proctoring, Mentoring and Guidance to the students. • Assisting in Conducting of Seminars, Workshops, Training, Conferences and Collaboration with Industries. • Assisting in Departmental Administration and other Developmental Works. • In addition to the above, Assistant Professor shall cooperate carefully and faithfully with HOD, Head of the Institution and other members of the teaching staff in promotion of an atmosphere of academic excellence, in the performance of extra duties and devoting extra time which is required for the welfare of the students and for the development of the department and Institution.

AT STUDENT LEVEL

01/08/2019

- Students are motivated to be class representatives • Students are part of the class committee • They are encouraged to organize student centric events like conferences, technical festivals, cultural and sports. They are given responsibilities and they will be monitored and guided by faculty members. • Their services to the society are much appreciated. They are part of NSS.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2019	15/08/2019	110
Teacher's Day	05/09/2019	05/09/2019	190
Ayudha Pooja Vijaya Dasmi	05/10/2019	05/10/2019	81
Engineer's Day	16/10/2019	16/10/2019	190
Blood Donation Camp	23/10/2019	23/10/2019	100
Kannada Rajyotsava	01/11/2019	01/11/2019	95
Swach Bharath Mission	19/11/2019	19/11/2019	178
71th Republic Day	26/01/2020	26/01/2020	180
View File			

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

• Eco Friendly pedestrian roads - Our campus pedestrian roads are planted with numerous trees which make it green and eco-friendly. • Green campus garden - Our Institute had planted a garden to beautify our space with lot of trees and shrubs with spacious grass lawns and pleasant flower plants on it. Water pots for sparrows birds all around the campus. • A ground water recharge well is provided by the Institute to Store Water and Utilize later • The wet waste from the hostels/ canteen is given away to bio fertilizer plants for making eco-friendly fertilizers • Waste Water is reused and provided to the plants and trees in college campus. Plants, trees and lawns are maintained regularly.

College Campus area is maintained and greater level of cleanliness is maintained regularly. • In hostel and canteen daily, wet waste is separated and sent to the composting plant that is functional in the premises for disposing the wet garbage. • Hostel canteen and kitchen waste will be collected by surrounding villagers to feed their cattle and for manure. • E-waste is disposed through outside agencies. • Going digital - All department subject notes (semester wise) is available in college library website which really facilitates students to avoid paper usage for notes and exam preparation • Calendar scheduling and collaborative features for connecting all stakeholders - via online, email SMS functions • Plastic free Campus - Our institution wants to help your school measurably reduce plastic waste and pollution. We are joining our Hands to eliminate plastic pollution and its toxic impacts on people and the environment. • Adoption of Sustainable Development Goals (SDG) in all the actives of our Institution which were adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030. • Butterfly Park - butterflies are considered as being beautiful, elusive and fascinating. The Park was conceptualized as one integrated center that would support education, conservation and research activities with exclusive focus on butterflies as flagship ambassadors of conservation • Smartness in transportation - It is widely known that automobile emissions are a significant contributor to pollution. Majority of faculties and students use college and public transportation to reach college. And few students come to college by walk.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1 Support for Entrepreneurial and Managerial Development of MSMEs through Incubators Sairam Business Incubation center was established in the year 2019 under Sri Sairam College of Engineering in collaboration with Innovation Entrepreneurship Development Cell (IEDC) in order to nurture the Entrepreneurship and Start-up Eco-System in the student's minds and to motivate the next generation people to become the recruiter. In the year 2020 Sairam Business Incubator has recognized as one of the approved Business Incubator (Reference No.: -HIBIKR000309) by MSME. Objectives The main objective of the Sairam Business incubator is to promote support untapped creativity of individual and to promote adoption of latest technologies in manufacturing as well as knowledge based innovative MSMEs (ventures) that seek the validation of their ideas at the Proof of Concept (PoC) level. It also supports engagement with Enablers who will advise such MSMEs in expanding the business by supporting them in design, strategy and execution. The Perspective In the present world, India definitely needs more entrepreneurs to capture the rising possibilities of business development in India. Promoting Entrepreneurship means encouraging people to be self-reliant in taking economic decisions and creating wealth and employment. The current notion among the People is that Engineering Education is meant for join the Well Known MNS as software Engineer. Also very less have aspiration to become Entrepreneur. We are bridging the gap in these expectation by bringing the concept of product development at our Sairam Business Incubator. The tradition Sairam Business Incubator is an initiative of our College, where our students are encouraged to work 24X7 in developing new socio relevant technical projects/products, beyond the scope of the university curriculum. To convert projects into products, the SairamBI has multidisciplinary verticals like Mechatronics, Automobile, IT Circuitry etc.. Evidence of achievement Some of the Products developed at our Business Incubators are, • Autonomous Underwater vehicle (AUV) • Fire Extinguishing drone and Farming Drone • Go-karts E-Bikes • All-Terrain Vehicle • Life rescue buoys • Automated Ground Vehicle • Aquaculture surface vehicle • RC planes • Covid 19 products like multipurpose key, foot operated sanitizer, automatic sanitizer, uvsterlizer , Facemask etc.. Problem came across and the vital Resource • Getting initial Fund to convert the ideas to Real Product. • Balancing between the academic and these activities.

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

<http://sairamce.edu.in/>

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

The Sustainable Development Goals The Sustainable Development Goals are a collection of 17 global goals designed to blue print to achieve a better and more sustainable future for all. The SDGs, set in 2015 by the United Nations General Assembly and intended to be achieved by the year 2030, In 2015, 195 nations agreed as a blue print that they can change the world for the better. Sri Sairam College of Engineering with all stake holders and students are committed to take the bold and transformative steps which are urgently needed to a sustainable and resistant path and pledge that no one will be left behind. We at Sairam by conducting different events, workshops, educating peoples by NSS etc., will convert the goals into reality. These include ending poverty and hunger, improving health and education, making cities more sustainable, combating climate change, and protecting oceans and forests etc., List of Activities Conducted are posted in website

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. The Faculty members will devote academic excellence to achieve NIRF ranking within 200. 2. Digitalisation - ICT tools will be incorporated in the preparation of course materials, Lecture sessions, contents beyond syllabus and other related skills which will be planned to be digitalized in the next academic year. 3. The institute will take up necessary steps to establish the Green renewable energy projects in the Campus to fulfil the requirements of the Sustainable Development Goals. 4. Institution will plan to introduce value-added courses and skill Enhancement programmes to cater the needs of the industry. 5. Institute will introduce on- line certification courses like Coursera, Edx, Swayam for students in the recent emerging areas to enhance employability. 6. Institution will submit proposals to various funding agencies (Government organisations and other National/State agencies. Suitable steps will be initiated Towards Entrepreneurs/Start-ups through Entrepreneurship Development cell (IEDC). 7. Institution will sign up MoUs with National and international Universities and also with MNCs to carry out R and D activities involving staff and students. 8. Encourage students and faculty to carry out collaborative research and to publish Research articles in reputed journals and obtain patents. Opportunities for updating knowledge and skills through ATAL FDP will be initiated. 9. The institution will gear up towards Seventeen Sustainable Development Goals adopted by all United Nations Member States. 10. The college will take suitable measures to improve admissions and quality of the students admitted.