

### 7.2.1 Describe at least two institutional best practices (as per NAAC template)

#### Upload details of two best practices successfully implemented by the institution as per NAAC format.

##### 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, uv sterilizer , 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.*

## **Best Practice – 2**

### **Adoption of Virtual Class Room Environment**

#### **Objective**

*Digital is not the Future... it is the Present...!!!*

*With the sincere efforts of all our faculty, we at Sairam have created a flipped environment with the digital tool Google Classroom to engage the students academically in an unexpected situation like Corona Shutdown.*

#### **The Perspective**

*We are extremely proud of our dedicated faculty for their spirit & tireless work in creating this digital learning space amidst the situation. our students is also interested enough to swiftly adopting the digital learning system and participating effectively in this activity from their homes.*

#### **The tradition**

*In the past, attending the college meant physically attending in-person on classes. Now, thanks to advances in technology, it's easier than ever to attend the class that offers the flexibility you need, whether through traditional in-person classes, online learning, or a blend of the two.*

#### **Evidence of achievement**

- *Online class link updated in our college website*
- *Separate YouTube channels added for all the department subjects.*
- *Evaluation of Assessment also done through Online.*

#### **Problem came across and the vital Resource**

*The required Internet Speed and Bandwidth and the Fatigue causes because of Continuously watching either over Mobile or Laptop. Online classes can present unique challenges, however, if you're not prepared. But if you develop skills for effective online learning, you'll will attend the class can be an excellent alternative to a traditional classroom setting.*

### Best Practice – 3

#### Adoption of Sustainable Development Goals (SDGs)

##### Objective

*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.*

##### The Perspective

*This will be accomplished by bringing together their respective Department of Sri Sairam College of engineering to improve the lives of the people in their Local vicinity by the year 2030.*

##### The tradition

*At our organization, 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.,*

##### Evidence of achievement

Sl. No	Event	Name of the Event	Organized by	Tenure	SDG linked
1	Workshop	SSA 19	Electrical and Electronics Engineering Department	02.10.2019	No.7 Affordable and Clean Energy (NM)

2	Techno Cultural Fest	Milagro	Electrical and Electronics Engineering Department	19.11.2019 - 20.11.2019	No.17 Partnership for the Goals
3	Constitution Day	Constitution Day Program	Physical Education Department, SSCE	26.11.2019	No. 16 Peace, Justice and strong institutions
4	International conference	I7C	Electrical and Electronics & CSE Department	28.11.2019 – 29.11.2019	No.17 Partnership for the Goals
5	Guest Lecture	Guest Lecture on Power Electronics	Electrical and Electronics Engineering Department	05.12.2019	No.4. Quality Education
6	Guest Lecture	Guest Lecture on Electronics Circuits	Electrical and Electronics Engineering Department	05.12.2019	No.4. Quality Education
7	Seminar	Entrepreneurship and emerging trends in Bio-Fuel	Electrical and Electronics Engineering Department	05.12.2019	No.9 Industry Innovation and Infra structure
8	MoU	Aspiring Minds	Placement cell	12.12.2019	No.4. Quality

					Education No.8 Decent work and economic growth
9	FDP	Recent Trends in Renewable Energy Resources	Engineering Mechanical Department	16.12.2019 - 30.12.2019	No.7 Affordable and Clean Energy
11	National Mathematics day	National Mathematics day	Department of Science and Humanities, with math club and R&D club	23.12.2019	No.4 Quality Education
12	Open house program	Open house program	Sairam Gnana sourabha	03.01.2020	No.17 Partnership for the Goals
14	FDP	New Paradigm Towards Accreditation Process	Department of Science and Humanities	25.01.2020 - 31.01.2020	No.4 Quality Education
15	Workshop	Google AI's – Explore Machine learning workshop	Sri LeoMuthu Innovation Centre	28.01.2020	No.4 Quality Education
16	The national	Clean water and	Physical education	03.02.2020	No.6

	service scheme annual special camp-2020	sanitation	department		Clean water and sanitation
		Save earth our responsibility		04.02.2020	No.15  Save Earth Our Responsibility
		Decent Work & Economic growth		05.02.2020	No.8 Decent work and economic growth
17.	NSS	Youth and communities	NSS	06.02.2020	No.11  Sustainable cities and Communities
		Natural resources & Utilization of solar energy equipment	NSS	07.02.2020	No.7  Affordable and clean Energy
		Peace safety and awareness of law	NSS	08.02.2020	No. 16  Peace, Justice and strong institutions
		Climate action	NSS	09.02.2020	No.13  Climate Action
18	<i>The national service</i>	<i>Clean water and sanitation</i>	<i>Physical education</i>	<i>03.02.2020</i>	<i>No.6</i>

	<i>scheme annual special camp-2020</i>		<i>department</i>		<i>Clean water and sanitation</i>
		<i>Save earth our responsibility</i>		<i>04.02.2020</i>	<i>No.15 Life on Land</i>
		<i>Decent Work &amp; Economic growth</i>		<i>05.02.2020</i>	<i>No.8 Decent work and economic growth</i>
		<i>Youth and communities</i>		<i>06.02.2020</i>	<i>No.11 Sustainable cities and Communities</i>
		<i>Natural resources &amp; Utilization of solar energy equipments</i>		<i>07.02.2020</i>	<i>No.7 Affordable and clean Energy</i>
		<i>Peace safety and awareness of law</i>		<i>08.02.2020</i>	<i>No. 16 Peace, Justice and strong institutions</i>
		<i>Climate action</i>		<i>09.02.2020</i>	<i>No.13 Climate Action</i>
<i>19</i>	<i>Student Induction Program</i>	<i>Student Induction Program Phase - 2</i>	<i>SSCE</i>	<i>03.02.2020 – 13.02.2020</i>	<i>No. 4 Quality education</i>



20	Bridge Course	Bridge Course on C++	Department of CSE	10.02.2020 – 12.02.2020	No. 4 Quality education
21	VITA DAY	VM Ware Cloud Virtualization Program	Department of CSE	13.02.2020	No. 4 Quality education
22	National Communication Skills Challenge – 2019	National Communication Skills Challenge - 2019	Launched by ICT Academy in association with STEP – the Hindu group and SSCE	17.02.2020	No. 4 Quality education
23	Smart Hacks 2020	Smart Hacks 2020	IIT Kanpur with E & ICT Academy	17.02.2020	No. 4 Quality education
24	Youth Talk 2020	Youth Talk 2020	SSCE in association with ICT Academy	20.02.2020	No. 4 Quality education
25	Postal Service Scheme Awareness Program	Postal Service Scheme Awareness Program	EOC/OBC Committee	27.02.2020	No. 5 Gender Equality
26	National Science day	National Science day	Science Club	28.02.2020	No. 4 Quality education
27	Open Day Visit	Visit to IISc on the occasion of open day	Science Club	29.02.2020	No. 4 Quality education
28	Awareness Program	Job Skills	Department of Electronics	09.03.2020	No.4

			<i>and communication engineering in association with LUCIO IT Services</i>		<i>Quality education</i>
29	<i>Recent Trends in automobiles</i>	<i>Recent Trends in automobiles</i>	<i>SSCE alumni association with SAE India</i>	<i>10.03.2020</i>	<i>No. 4 Quality education</i>
30	<i>NCC unit</i>	<i>Initial visit for NCC unit approval</i>	<i>Department of CSE</i>	<i>12.03.2020</i>	<i>No. 16 Peace, Justice and strong Institutions</i>

#### **Problem came across and the vital Resource**

- *Making the local community to understand about the Advantages of adopting these Goals.*
- *Extra Man power and money are required to provide this type of assistance at college level.*

#### **Best Practice 4**

## **Introduction of Global certificate Courses**

### **Objective**

*The main intention is to create readily absorbable Engineer by the any form of the Industry also leads to identify focused career paths for students as well as to support students' personal growth.*

### **The Perspective**

*The current notion among the People is that Engineering Education is not best choice for their ward. And the expectation of Industries are also changed. They are are not looking for the Graduates with Academic Grade Point, rather they started expecting the Graduates with Latest and developing International Technical Skill. This can not be imparted to the student through their regular Academic. And to Bridge this Gap Our Sri Sairam College of Engineering had Signed Up with the internationally well-known Online Academic Platform such as Coursera, Edx, FutureSkills of NASSCOM etc. for transferring the Industry Expected Latest Technological skills.*

### **The tradition**

*The Management of Sri Sairam college of Engineering have taken decision to make each and every students as well faculty to undergone minimum of 5 International Courses from these specified Online Platform.*

### **Evidence of achievement**

- *Every student who are studying in our college having 20 international course certificates on an average.*
- *On an average, Every Faculty will have 40 International Course Certificates in Latest and emerging Technologies.*

### **Problem came across and the vital Resource**

- *Balancing between the academic and these activities.*