

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 51.44

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0	14.667	28.160	8.61	0

File Description	Document
List of endowments / projects with details of grants	<a href="#">View Document</a>
e-copies of the grant award letters for sponsored research projects / endowments	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)**

**Response:** 14.02

**3.1.2.1 Number of teachers recognized as research guides**

**Response:** 15

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years**

**Response:** 23.33

**3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	4	1	0

### 3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
6	6	6	6	6

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

#### Response:

#### **ENTREPRENEURSHIP DEVELOPMENT CELL**

Entrepreneurship Development Cell of our college was established in 2014 with the AICTE grant of Rs.4.5 lakhs for the purpose of enhancing entrepreneurship awareness among the student communities..

#### **Photography Club of SAEC**

Photography Club is a blend of individuals who want to capture and make beauty. The club was inaugurated in the year 2003. The club provides opportunities for each student to realize the artist to color their dreams into reality within themselves.

#### **Computer Society of India Student Chapter**

It with 128 students was first inaugurated on 20-02-2008. As an Educational Institution with Membership Number: I00899 became CSI certified on 01-04-2008.

#### **ICT Academy**

Our College became an associate member of ICT Academy during 2009. Various programs has been conducted for faculty members through faculty development programs.

### **ELITE CLUB**

Elite Club was established in the year 2011 by the English Department with the high motive to enhance the students' interpersonal skills. Competitions were conducted to prove the student's in built talents

### **Environment club**

The Environment club was inaugurated on 12/09/2008. The main objective of the club is to create awareness on various activities such as clean campus , tree plantation ,ban of plastic etc.,.The club conducts competition such as Essay writing, Drawing to bring about the importance of sustainable world on their presentation .The club encourages all the students and faculty members of are college for planting tree samplings

### **Morgan's Maths Club (MMC)**

In the year 2009 Morgan's Maths Club (MMC) swith the motto " We Everest not Ever rest " was inaugurated. Every year MMC conducted programs like Code Breaker, Amend, Quiz , Puzzles and Model making .

### **Quality Improvement Cell (QIC)**

Quality Improvement Cell (QIC) is established in our college on 22.10.2013 with the guidance of Directorate of Technical Education, Tamilnadu and Anna University, Chennai to improve the teaching-learning process, English communication skills and self-learning interest of faculty and students

### **The Institution of Engineers (India) Students Chapter**

This Club motive to spread awareness regarding practical application and field knowledge in students of engineering department. It organizes "Engineer's Day" on 15th September of every year.

### **IETE Students Chapter**

This club has membership strength of 102 students. Plans are on the anvil to conduct more number of technical programmes for the benefit of students and faculty members.

### **ISTE Students Chapter**

It was started in the year 2008 aiming to assist and contribute in the production and development of top quality professional engineers and technocrats.

### **Renewable Energy Club**

It was formed on 20 August 2004, to celebrate Rajiv Gandhi renewable energy day with 120 student members with 20 staff members and faculty of all the departments

### Parent Teachers Association (PTA)

To redress the grievances of the parents and students, every year, we conduct parents and teachers Association Meeting. Large number of parents attended these meetings and expressed their views and suggestions

### Literary and Fine Arts Club

The main objective of the Literary Fine Arts Club is to encourage the students in various literary and fine arts activities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

**Response:** 89

#### 3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
30	27	13	8	11

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>

## 3.3 Research Publications and Awards

### 3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

**Response:** 4.47

#### 3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

**Response:** 67

**3.3.1.2 Number of teachers recognized as guides during the last five years**

Response: 15

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI website	<a href="#">View Document</a>

**3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**

Response: 1.47

**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
30	58	15	17	55

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

Response: 0.49

**3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
8	5	9	26	11

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4 Extension Activities

**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**

**Response:**

#### **National Service Scheme (NSS)**

The NSS Unit of Syed ammal Engineering College of Engineering, Ramanathapuram, organized different societal activities. These activities are conducted in the coordination with the NSS unit of Madurai Anna University. The college has very vibrant NSS unit having 100 students from various departments. It is monitored by NSS Program Officer and Departmental faculty coordinators. The activities are undertaken by the students like Rural Development, Health Checkup, Blood Donation, Help to needy, Poor and Old people, Tree Plantation, Environment Awareness, Village Development and Awareness of Swaccha Bharat Abhiyan, Health Awareness, women safety, gender equality, etc, every year. The unit is approved under government scheme. Promotion of health awareness and Yoga is regular activity of the college. Regular health awareness programmes are undertaken for faculty and students. The social

outreach programs includes awareness programs such as Gram Swachhta Abhiyan ( to clean the village), Water Conservation, Computer Literacy, Blood Donation Camps, Educating Rural populace, awareness against the Plastic Bag and Coastal Cleanig. Tree plantation one of the outreach program undertaken by our students. They planted saplings in our college campus and in nearby areas by organizing tree plantation camps. This kind of activities educate our students and public of this region for conserving our environment as green as possible

#### **Rotaract Club**

The Saec Rotaract Club has been installed by Parent club Rotary Club of Ramnad . This Club

has many industrialists as its members. This gives the club to work in close collaboration with Industry on various social projects. The Rotaract Club ensures that the students finds themselves as responsible individual of the society and contribute towards various issues in the country. Tree plantation organized by Rotaract Club is one of the outreach program undertaken by our students. They planted over 1000 saplings in our college campus and in nearby areas by

organizing tree plantation camps. This kind of activities educate our students and public of this region for conserving our environment as green as possible. The club ensures to inculcate a account ability within the student. The various projects we undertake are as follows:

• Blood Donation Camp
• Seminar on Government Job opportunities
• social responsibility and child abuse awareness
• Blood donation camp
• Tree Plantation
• Road Safety Programme
• Dengue Awareness Camp
• Road Safety Programme
• Coastal Cleaning
• Blood Donation Camp
• Blood Donation Camp
• Tree Plantation
• Coastal Cleaning
• Blood Donation Camp
<b>Youth Red Cross</b>
Our college YRC Club comes under the YRC Cell of Anna University, Chennai. The YRC club regularly arranges Blood donation camps in association with Dr.E.M. Abdullah Blood Donors' Club. Also, the volunteers donate Blood to the needy people under emergency situations in and around the Ramanathapuram district and they donate the cloths and other necessary materials during the vacation timings to the orphanages. The YRC arranges the awareness programmes on HIV-AIDS every year with the Collaboration of YRC and NSS.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

**Response: 0****3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years****Response: 43****3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
5	6	9	15	8

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years****Response: 71.16****3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**



2020-21	2019-20	2018-19	2017-18	2016-17
365	451	895	1698	1006

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

**Response:** 280

##### 3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
61	149	49	13	8

File Description	Document
e-copies of related Document	<a href="#">View Document</a>
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>

#### 3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

**Response:** 21

##### 3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	4	2	12

<b>File Description</b>	<b>Document</b>
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>

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