

INSTITUTIONAL DISTINCTIVENESS

1.Title of the Institutional Distinctiveness:

Research and Development

2.Objectives of the Practice to reach its vision

- The Research & Development is to facilitate academic research for the development of the academicians and the institution.
- It aims to bring about a dynamic equilibrium with its social and economic environment for excellence in education, research and service to the nation.
- To explore unreached areas by bringing openness in multi-disciplinary research.
- To provide a supportive research environment in which scholars, at every stage of their career, can flourish and develop.

3.The Context of priority

SAEC has been the key contributor of Research and Development in nurturing the faculty and students through various academic programs conducted by the different departments. Students and staff have been encouraged to carry out innovative, sponsored research works in the departments in terms of development and technology. SAEC is committed to knowledge transfer and engross technology transfer in order to enhance the quality of socio-economic and ecological conditions of society.

As a part of the career enhancement, faculty members are thrown open to the opportunities to register for PhD degrees. A large number of faculty members in various departments are pursuing Ph.D. programmes. The number of publications in reputed, peer-reviewed journals, which is a good sign of research output, has been quite substantial during the last three years. Interdisciplinary approach is being used to address common issues in society.

4.The Practice of Thrust over the achievement

- Devise strategies to assist the research scholars in meeting their research objectives
- Periodical review of research strategies and plans of department developments through road map
- Analyzing the road map areas for initializing inter disciplinary research
- Identification of new initiatives and opportunities in the innovation area
- Effective publication of the research works in reputed journals and conferences
- Identification of social issues and bringing about a solution to the issues

5.Evidence of Success

S. A. Engineering College has been recognized as a Research Center Approved by Anna University, Chennai for the following Departments.

1. Department Of Mechanical Engineering
2. Department of Electronics and Communication Engineering
3. Department of Electrical and Electronics Engineering
4. Department of Computer Science and Engineering

The institute has executed many major Research and Development projects funded by government and non-government organizations such as AICTE, MRNE, SERB, CSIR, and DRDO etc. Ample number of staff have

registered for their Ph.D. programmes and pursuing with the same. The Research Centers help the staff and students to render a consistent attentiveness towards their research works as a part of their professional enrichment. Students and staff have published papers in various reputed Journals and National and International Conferences.

6.Problems Encountered and Resources Required

The reception of funds for the implementation part of the projects. Sometimes high cost is involved in executing research activities specifically concerning capital equipment. The management partially provides optimum funds to implement the research practices to the possible extent. The institute also receives funds from outside agencies, which greatly helps in upgrading research laboratories and promoting the practice.