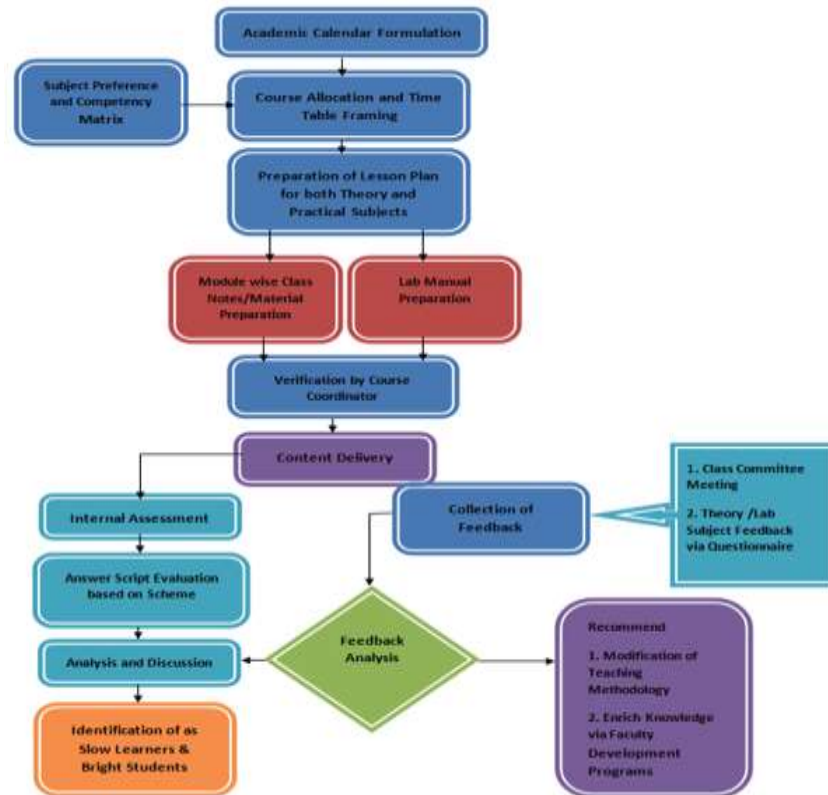


Strategy type	Deployment
<b>Teaching &amp; Learning</b>	<ul style="list-style-type: none"> <li>• The quality of teaching learning process is improved through the following activities: <ul style="list-style-type: none"> <li>➤ Adherence to academic Calendar</li> <li>➤ Use of Various instructional methods and pedagogical initiatives</li> <li>➤ Methodologies to support weak students and encourage bright students</li> <li>➤ Quality of classroom teaching</li> <li>➤ Conduct of experiments</li> <li>➤ Continuous Assessment in the laboratory</li> <li>➤ Student feedback of teaching learning process and actions taken</li> </ul> </li> <li>• In 2022-23, we have optimized the intake of EEE &amp; MECH and introduced a new Engineering Programme – Information Science with an intake of 60 seats.</li> <li>• Complete syllabus has been changed according to skill based learning in 2022-23.</li> <li>• Engineering Stream has been divided into 4 streams accommodating all UG Courses under 4 umbrellas.</li> <li>• In 2017-18, the Research Centre for Mechanical Engineering was introduced.</li> <li>• In 2021-22, the Research Centre for CSE and ECE has started along with Chemistry.</li> <li>• Faculties have completed various certification courses – NPTEL, NASSCOM FUTURE SKILLS &amp; NITTT in order to enhance their skills and knowledge in Latest trends of technology.</li> <li>• AICTE Introduced activities which are mandatory to all students.</li> <li>• The 21 Days Induction program for 1st year students has been planned to bridge the gap between PUC and Engineering, also described Ethics and Human Values and Ethics.</li> </ul>



## Research & Development

<https://sairamce.edu.in/rd-cell/>

- The students are identified during conduction of hands-on workshops during first year and tapping of students towards research from second year onwards.
- Faculty members were assigned to the students to guide them by doing innovative projects and participating in various competitions and also for funding proposals.
- The R & D centre provides necessary infrastructure for students and faculty to conduct research projects in thrust areas of science and Engineering

### Objectives

- ❖ To promote applied research activities to bridge the gap between academia and industry
- ❖ To develop products, processes and innovative projects to improve the quality of human life
- ❖ Develop and support existing and emerging research strengths
- ❖ Facilitate multidisciplinary research excellence
- ❖ Make efforts to establish research partnerships with Government, Industry and other Universities

	<ul style="list-style-type: none"> <li>• In 2022-23, many project proposals will be submitted to KSCST, VGST, VTU-TEQIP and AICTE. In addition to that proposal for conduction of 1 week and 2 weeks workshops, seminars also submitted to AICTE</li> <li>• In 2022-23, high quality impact factor papers are published in various journals/conferences</li> <li>• Journal publication/conference: 135</li> <li>• Book publication: 18</li> <li>• Funds generated: 2.40 lakhs in VTU/KSCST/VGST</li> </ul>
<b>Library, ICT &amp; Physical Infrastructure</b>  <a href="https://sairamce.edu.in/home-library/">https://sairamce.edu.in/home-library/</a>  <a href="https://sairamce.edu.in/infrastucture/">https://sairamce.edu.in/infrastucture/</a>	<p>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.</p> <p>Library ICT infrastructure includes computer systems, scanners, software's, cameras, and online platforms.</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Online e-resource services – access to a 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, VTU Consortium.</li> </ul>
<b>HR management</b>	<ul style="list-style-type: none"> <li>○ Activities Related Right from Entry to Exit everything governed by the HR department.</li> <li>○ HR is responsible for selection, recruitment, Promotion, Exit Interview, Suspension, Dismissal etc., specific Procedure will be followed As Per VTU &amp; AICTE Norms for both teaching and non-teaching.</li> <li>○ Staff Recruitment is executed Asper the following procedure. Collection of Human Resources from the Department Heads</li> <li>○ Consolidation of requirements by the Head of the Institute. Newspaper Advertisement.</li> </ul>

	<ul style="list-style-type: none"> <li>Extraction of Resumes from the College online application web portal. <ul style="list-style-type: none"> <li><a href="http://careers.sairamce.edu.in/">http://careers.sairamce.edu.in/</a></li> </ul> </li> <li>Call for an interview, informing date, time and venue. Selection of the right candidate based on requirements such as, experience, teaching methodology, educational qualification etc.</li> <li>Intimation to the right candidate for joining, appointment order.</li> <li>Staff members are encouraged to participate in training programme to upgrade their knowledge and skills. Mentimeter system is used in the recruitment process, where the applicants profile is scanned and uploaded in Google platform so that if the interviewing panel consisting of 5 members does not require the profile physically when the applicant giving presentation. Concentrating only on Doctorates.</li> </ul>
<b>industry interaction / collaboration</b>	<ul style="list-style-type: none"> <li>The institute and industry collaboration plays a pivotal role to Bridge both. The students are benefited 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.</li> <li>Guest lecturers are being conducted by the Industrial Experts. The Effective function of Entrepreneurship Development Cell is organizing various Programmes and Exhibitions. Industrial Visits are conducted for the students. Alumni from reputed companies and Entrepreneurs are invited for formal discussion with the students.</li> <li>Organised on-line webinars for the students to enhance the skills in the emerging technologies as well as orientation programs are organized in innovative thinking and entrepreneurship development activities from August 2022 to July 2023 by Institution's Innovation Council</li> </ul>
<b>admission of students</b>	<ul style="list-style-type: none"> <li>The institution followed the admission as per government rules. Apart from that, the financially backward students whose CET ranking is less than 20,000 will be considered for a special quota called SNQ (5%) in the admission.</li> <li>CET + COMEDK + MANAGEMENT</li> </ul>

	<ul style="list-style-type: none"> <li>• CET – General + SNQ</li> <li>• Reservation on Criteria Basis – SC / ST / OBC</li> <li>• CET – 45% ; SNQ – 5% of Total Intake</li> <li>• Management – 25%</li> <li>• COMEDK – 30%</li> <li>• Scholarship is provided to the students admitted through Management quota at the time of admission based on the PUC percentage.</li> <li>• Apart from that during engineering studies, the students who are having VALID PGPA and above are eligible for Leo Muthu Scholarship. Also Full tuition fee is waived for economically poor students.</li> <li>• We are doing career counselling in a way that creates awareness and also motivates the students to select the better career. Career guidance programs for the PUC students are organized in Hosur and Bangalore.</li> <li>• The program provided a platform to motivate and guide the PUC students for their examination preparation and also allowed a 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.</li> </ul>
<b>Examination and Evaluation</b>	<p>Ø For 2022-23 Batch, 100 marks can be divided into CIE + SEE = 50+50 = 100 Marks.</p> <p>Ø AICTE Introduced 100 points for Student Activities ( Interaction with outside world )</p> <p>Ø If the student secured a CGPA of less than 5, such student is not eligible for honouring the Degree.</p> <ul style="list-style-type: none"> <li>❖ No year back system for 2021-22 batch students but they should not have 1st year arrears, when they come to 4th year</li> <li>❖ Year back system for 2022-23 batch students resumed. If students have backlog, makeup exam will be conducted immediate after regular semester result.</li> </ul>