SESHASAYEE INSTITUTE OF TECHNOLOGY
(Autonomous)
Ariyamangalam, Tiruchirappalli - 620 010

Institute Vision:

Seshasayee Institute of Technology transforms into a creative Centre of Excellence, with the laudable task of uplifting economically weaker sections of the community in the Central region of Tamilnadu, enhancing their social status coupled with an elevated lifestyle.

Institute Mission:

The Vision of the Institute is being ignited and propelled by

1 .A benevolent Management, Committed Faculty and creative Leadership

2. Well planned curriculam and extra- curricular programs, career guidance Entrepreneurship development programs to enhance employment opportunity of students.

3. Innovative, productive indigenous inputs , Maintenance of high moral standards and ethical values and a salubrious, clean, green, eco-friendly environment.

Consolidated Vision, Mission Statements, PEOs & PSOs of all Departments

Department	Vision	Mission	PEOs	POs	PSOs
CIVIL	To impart knowledge and excellence that brings out civil engineers with high technical competencies and promotes professional assignments to meet the current and future	To promote activities that cultivates the spirit of entrepreneurship to the students. To impart quality education with moral values in emerging areas of employability skill. To create, disseminate and integrate knowledge of	Students function effectively as civil engineering professional in industry, government or other organizations– designing, improving, leading and implementing efficient civil engineering practices.	1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering	**PSO 1:**The Graduates of this program with proficiency in Structural Design and drawing which will excel

	challenges in civil engineering.	engineering, science and technology that expands the civil and environmental engineering knowledge base, which in turn enables the betterment of human society. To enrich and enhance the knowledge base for the best practices in various areas of Civil & allied Engineering To create competent professionals who are trained in the design and development of civil engineering systems and contribute towards need of industry requirements.	To inculcate in students professional and ethical attitude, effective communication skills and team work to become a successful Entrepreneur. To promote lifelong self learning abilities for gaining multidisciplinary knowledge through projects and industrial training to meet the social needs.	fundamentals and engineering specialization to solve the engineering problems. 2. **Problem analysis**: Identify and analyze well-defined engineering problems using codified standard methods. 3. **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs. 4. **Engineering Tools, Experimentation and Testing:** Apply modern	in the core areas of structural Design in civil Engineering **PSO 2:**The Graduates of this Program with proficiency in construction materials and technology produce detailed drawings, write specification, prepare cost estimates and prepare digital mapping and pursue higher studies in civil engineering.
EEE	Electrical and Electronics Engineering Department provides advanced professional knowledge and practical skills to fulfill the needs of industry and society.	To produce Electrical Engineers of high Caliber to serve professionally with due consideration of social and economical issues. To bridge the gap between industry and academic by framing curriculum and syllabus based on industrial needs. To create and sustain a good environment of learning, build	Electrical and Electronics Engineering programme of Seshasayee Institute of Technology will prepare its diploma students. **PEO1:**To have fundamental and broad knowledge in Electrical and Electronics Engineering **PEO2:** To apply creatively		**PSO1:** Our diploma holders shall possess sound technical knowledge in Renewable Energy Sources, especially Solar Energy Systems. **PSO2:** Our diploma holders

		leadership qualities and to work as a team. To provide opportunity to enhance the creative talents and promote innovative skills of students to become successful entrepreneurs. To inculcate moral and ethical values among the students. .	their understanding of engineering principles to the solution of problems arising in whatever career they choose **PEO3:** To be competent for higher studies in world class universities **PEO4:** To practice their Professions conforming to Ethical Values and Environmental friendly policies **PEO5:** To work as a team in multi-cultural and multi-disciplinary Environments **PEO6:** To adapt evolving Technologies, innovations and stay current with their Professions	engineering tools and appropriate technique to conduct standard tests and measurements. 5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices. 6. **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering	shall posses proficiency in use of software and hardware to control Electrical systems using programmable Logic Controller
MECHANICAL	To produce high self-esteem and technical expertise who can adapt themselves for the changing trends of industrial and social requirements by	To maintain best quality of education by incorporating changing trends of industry in curriculum to satisfy all stake holders. To produce leaders who can	**PEO -1:** Use the knowledge of mechanical engineering to develop concepts that brings out solution for the real world challenges. **PEO -2:** Analyze the design		**PSO-1:** Distinct and maintain highest standards in the fields of manufacturing,

	effective teaching and learning methods.	serve society and nation by finding solutions to Region wise and global wise community problems. To create competent professional who are trained in the design and development of mechanical engineering systems to accept any challenges that arises in rapidly changing technology. To instill confidence amongst the students as an individual or as a team player by involving them in organizing programmes and events. To empower the students with life skill programs and entrepreneurship programs.	and use skills in order to formulate and solve mechanical engineering problems. **PEO -3:** Practice mechanical engineering in a reasonable professional and ethical manner.	activities. 7. **Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.	thermal and automobile. **PSO-2:** Suit to current technologies and have a zeal to find out solutions to problems of industry and world in the respective fields.
COMPUTER	To foster technically proficient, creative and self – governing diploma computer engineers with essential technical competency, skills and knowledge, to meet the current and future needs of industries and society..	1. To develop high caliber computer engineers with integrated knowledge of computer and allied engineering, science and technology, for the betterment society. 2. To impart quality education skills with normal values and to bridge the gaps between industry and academics in emerging areas towards employability. 3. To Promote activities that	**PEO 1**. Function effectively as computer professionals in industries/ organizations,designing, implementing, testing solutions for real world problems and/or may options for higher studies **PEO 2:** Have professional and ethical attitude, effective communication and team work skills to become a		**PSO 1:** 1.Students will have proficiency in designing and developing computer applications **PSO 2:** Students will have competencies in servicing and administration of Computer

		cultivates the spirit of entrepreneurship, team work leadership and ethics among the students	successful engineer or programmer or entrepreneur **PEO3:** Have lifelong learning abilities for gaining multidisciplinary knowledge through projects and industrial training to meet the social needs.		systems, servers, networks and Cloud.
PAPER TECH	To produce competitive, responsive, globally competent paper technologists and an entrepreneur to cater the needs of the industries.	Integrate the self sustainable education with basic teaching-learning process through need based curriculum. Inculcate logical thinking, creativity and effective communication skills. Cultivate awareness of emerging trends in paper technology field through self learning. Create a sense of social concerns, humanitarian services and ethics. Motivate lifelong learning and creating good resources.	1. Lead a successful career as an employee or an entrepreneur in the field of paper technology and allied fields. 2. Adopt the latest changes and developments in the field of paper technology by updating knowledge and skills. 3. Able to work effectively as an individual, in multi disciplines, multicultural environments and society at large.		**PSO1:** Explain the fundamental concepts and methods of pulp and paper production, the functionality of pulp and paper mill, chemical recovery plant and paper machine. **PSO2:** Analyze the entire pulp and paper manufacturing process and the equipments
ICE	To produce technically competent skillful engineers to respond the society socially and morally to cater the	➢ Instrumentation, Control and Allied Engineering, Science and Technology Knowledge	➢ After Successful Completion of the program, the graduates will be Successful Engineers in Organizations or Opting for Higher		**PSO 1:** Students shall have proficiency in electrical, electronics, instrumentation,

	needs of the industries and society.	➢ Quality education, Skills, Moral Values & bridge the gaps in curriculum towards ➢ Logical Thinking, Creativity, Entrepreneurship, Teamwork, Leadership and Ethics	Studies ➢ Professional, ethical attitudes, communication skills, team work towards successful engineer or entrepreneur ➢ Lifelong self-learning, Multidisciplinary Knowledge through projects, meeting social needs		and control engineering towards automation. **PSO 2:** Students will have proficiency in use of software and hardware to design instruments.